Ultramar

Ultramar, Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466
(209) 582-0241

ENVIRONMENTAL PROTECTION

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Telecopy: 209-585-5685 Credit
209-583-3330 Administrative
209-583-3302 Information Services
209-583-3358 Accounting

December 30, 1999

Ms. Eva Chu
Hazardous Materials Program
Department of Environmental Health
Alameda County Health Care Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

SUBJECT: BEACON STATION NO. 721, 44 LEWELLING BLVD., SAN LORENZO, CALIFORNIA

Dear Ms. Chu:

Enclosed is a copy of the ***Quarterly Ground Water Monitoring and Remediation System Status Report, Fourth Quarter 1999*** for the above-referenced Ultramar facility. Also included is a copy of the Quarterly Status Report.

Please call if you have any questions regarding this project.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosures

cc w/encl: Mr. Steve Morse, San Francisco Bay Region, RWQCB

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: December 30, 1999
QUARTER ENDING: December 31, 1999

SERVICE STATION NO.: 721
ADDRESS: 44 Lewelling Blvd., San Lorenzo, CA
COUNTY: Alameda

ULTRAMAR CONTACT: Terrence A. Fox **TEL. NO:** 559-583-3345

BACKGROUND:

In 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. In May 1987, three monitoring wells (MW-1 through MW-3) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells. In December 1988, four additional wells (MW-4 through MW-7) were installed. Dissolved-phase hydrocarbons were detected in the new wells. In September 1989, two additional wells (MW-8 and MW-9) were installed. The site has been on a monitoring program since May 1987.

In July 1990, the site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued. Submitted work plan for additional assessment on March 14, 1991.

In October 1991, drilled two additional offsite wells (MW-10 and MW-11) southwest of the site and one onsite recovery well (RW-1). In November 1991, performed ground-water pump test and vapor extraction test.

In April 1992, Ultramar submitted an Interim Remediation Plan. The plan was approved in June 1992.

In March 1993, installed the subsurface piping for the remediation system. Completed installation of ground-water remediation system in April 1993. Began operation in June 1993.

In April 1993, the ground-water extraction system began operation. In March 1994, the vapor extraction system began operation.

Obtained the Permit to Operate for the vapor extraction system on June 8, 1994.

In December 1995, installed an air sparging system.

In 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.

In October 1997, drilled confirmation borings. Results indicate soil clean.

In June 1998, the air sparging system was restarted.

In July 1999, the ground water system was restarted.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on November 9, 1999. Continued to operate the remediation system.

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that benzene concentrations were detected in MW-3, MW-10 and MW-11.

Approximately 1,235,097 gallons have been processed by the system.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY	ESTIMATED COMPLETION DATE
Continue quarterly ground-water monitoring.	
Continue to operate the remediation system.	

Delta
Environmental Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95760-6021
U.S.A.
(916) 638-2085
FAX: (916) 638-8385

December 29, 1999

- Slight increase MTBE conc. in ~~RW-1~~ MW-1 / MW-11
MW-2 w/ highest MTBE (14,000 ppb)
- Plume MTBE is conc. maps in future.
- discuss MTBE cleanup levels for creeks
- domestic wells (3) located downgrad.
check on construction and use.

Mr. Terrence A. Fox
Ultramar Inc.
525 West Third Street
Hanford, CA 93230

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report Fourth Quarter 1999*
Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California
Delta Project No. D093-936

Dear Mr. Fox:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Ultramar Inc. to conduct quarterly ground water monitoring and remedial actions at the subject site. The monitoring is intended to evaluate the distribution of dissolved petroleum hydrocarbon constituents in ground water in the vicinity of the site. The remedial activities are intended to decrease the petroleum hydrocarbon constituents in soil and ground water beneath the site. This report summarizes the results of ground water monitoring activities performed at the site on November 9, 1999. The site location is shown in Figure 1. Site features are illustrated in Figure 2.

Ground water monitoring includes measurement of depth to ground water, subjective analyses of water samples to evaluate the presence or absence of free petroleum product or product sheen and collection of ground water samples for chemical analysis. Methods used to perform these tasks are described in Enclosure A.

Ground Water Table Measurements and Flow Direction

On November 9, 1999, depth to ground water was measured in monitoring wells MW-1 through MW-11 and recovery well RW-1 at depths ranging from 14.60 (MW-7) to 18.64 (MW-11) feet below the top of the well casings. Ground water elevations have decreased an average of 0.62 feet since the previous quarterly event in August 1999. Cumulative ground water elevation measurements at the site are compiled in Table 1. Based on the ground water elevation measurements, the inferred ground water flow direction is generally toward the southwest with a gradient of less than 0.01. A ground water elevation contour map prepared from the current event data is included as Figure 3.

Ground Water Analytical Results

On November 9, 1999, ground water samples were collected from monitoring wells MW-1 through MW-4, MW-7, MW-10, MW-11 and recovery well RW-1. The ground water samples were submitted to Kiff Analytical of Davis, California (a California-certified laboratory). The ground water samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020 and total petroleum hydrocarbons (TPH) as gasoline by EPA Method 8015 Modified. Copies of the sampling information data sheets are included in Enclosure B. Ground water sampling consists of quarterly sampling of monitoring wells MW-1, MW-2, MW-3 and MW-10; semi-annual sampling of monitoring wells MW-4 and MW-11; and, annual sampling of monitoring well MW-7. Sampling has been discontinued in monitoring wells MW-5, MW-6, MW-8 and MW-9. A description of the ground water sampling frequency is outlined in the January 19, 1999 letter from the Alameda County Health Care Services Agency. A copy of this letter is included in Enclosure B. A copy of the Field Sampling Data Summary Sheet is included in Enclosure C.

Benzene was not detected at or above the laboratory reporting limits in ground water samples collected from monitoring wells MW-1, MW-2, MW-4, MW-7 and recovery well RW-1. Benzene was reported in the samples collected from monitoring wells MW-3, MW-10 and MW-11 at concentrations ranging from 0.87 micrograms per liter (µg/L) in monitoring well MW-11 to 9.8 µg/L in monitoring well MW-3. The samples collected from monitoring wells MW-1 through MW-4, MW-7, MW-10, MW-11 and recovery well RW-1 were reported to contain concentrations of MTBE ranging from 16 µg/L in monitoring well MW-7 to 14,000 µg/L in monitoring well MW-2. Utilizing the November 9, 1999 ground water analytical data, a benzene isoconcentration map was constructed and is included as Figure 4. Cumulative ground water analytical results for TPH as gasoline, BTEX and MTBE are summarized in Table 1. A copy of the certified laboratory analytical report with chain-of-custody documentation is provided in Enclosure D.

change to MTBE map.

Remediation System Status

The ground water treatment system consists of a submersible pump which pumps water from recovery well RW-1 into a 1,000-gallon influent tank that gravity feeds into a diffused aeration tank (DAT) where hydrocarbons are stripped from the groundwater. Two 200-pound vapor phase granular activated carbon (GAC) columns abate the vapors from the DAT. The ground water is then pumped through two 200-pound aqueous phase GAC columns and into a 50 gallon LEL tank prior to sewer discharge. After being shut down in late 1996, the ground water treatment system was temporarily restarted and sampled on June 24, 1999. After laboratory analytical results confirmed that the system was in compliance with permit conditions mandated by the Oro Loma Sanitary District (Permit No. 018), the system was again restarted on July 28, 1999. As of November 23, 1999, the ground water treatment system has processed a total of 1,235,097 gallons of ground water to the sewer. The system has processed a total of 50,665 gallons of ground water since the system was restarted on June 24, 1999. Cumulative totals for ground water treated and discharged to the sewer are summarized in Table 2. Cumulative analytical results for the ground water treatment system are summarized in Table 3. Copies of analytical results for the ground water treatment system are included in Enclosure E.

The air sparging system injects air into the ground water through air sparging wells AS-1 through AS-3. Locations of the air sparging wells are illustrated on Figure 2. The purpose of the air sparging system is to increase the dissolved oxygen content in the ground water that in turn is believed to enhance the rate

of biodegradation in the ground water. The SVE system is not currently operating but is expected to be restarted once the blower has been replaced.

Remarks/Signatures

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.

It is recommended that a copy of this report be forwarded to:

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

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

If you have any questions, please contact Richard Munsch at (916) 638-2164.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

for

Trevor L. Atkinson
Project Engineer

Richard D. Munsch
Project Manager

Steven W. Meeks, P.E.
California Registered Civil Engineer No. C057461

TLA (LRP018.936)
Enclosures

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	05/28/98		NM	NC	120	<10	39	55	7,800	9,300	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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 (Cont.)	08/19/98	43.67	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

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Beacon Station No. 721
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San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
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
	02/18/99		14.07	29.02	<0.5	<0.5	<0.5	<0.5	<50	13,000	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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-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
	03/31/98		11.55	31.55	1,800	600	410	1,400	12,000	510	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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-3	05/26/98	43.10	12.80	30.30	NS	NS	NS	NS	NS	NS	No free product or sheen
(Cont.)	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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	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
	11/17/98		16.93	27.73	1.3	<0.5	<0.5	<0.5	<50	780	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	02/18/99		14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	11/17/98		14.53	27.94	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	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

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San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	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

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San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	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
	02/18/99		13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	02/18/99		15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	08/19/98		14.27	28.07	95	160	1,300	1,700	14,000	<100	No free product or sheen
	11/17/98		15.08	27.26	82	64	590	150	7500	290	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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	02/18/99	42.34	13.61	28.73	41	16	270	79	4,700	<100	No free product or sheen
(Cont.)	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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
	02/18/99		16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	No free product or sheen
	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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 721
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	05/26/98	43.17	13.13	30.04	NS	NS	NS	NS	NS	NS	No free product or sheen
(cont)	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
	11/17/98		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

[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

VOLUME OF GROUND WATER TREATED

Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California

Date	Totalizer Reading (gallons)	Change in Totalizer Reading (gallons)	Total Discharge (gallons)	Average Flow Rate (gallons per Minute)
06/21/93	2,120	NA	2,120	NA
07/14/93	117,367	115,247	117,367	3.48
08/14/93	210,470	93,103	210,470	2.09
09/22/93	255,241	44,771	255,241	0.80
01/24/94	399,520	144,279	399,520	0.81
03/31/94	460,075	60,555	460,075	0.64
06/21/94	597,663	137,588	597,663	1.17
09/28/94	662,894	65,231	662,894	0.46
12/14/94	723,160	60,266	723,160	0.54
03/15/95	902,621	179,461	902,621	1.37
06/30/95	929,056	26,435	929,056	0.17
09/26/95	1,018,150	89,094	1,018,150	0.70
12/06/95	1,053,866	35,716	1,053,866	0.35
01/30/96	1,067,852	13,986	1,067,852	0.18
01/30/96[a]	0	NA	1,067,852	NA
03/19/96	8,900	8,900	1,076,752	0.13
06/27/96	107,780	98,880	1,175,632	0.69
09/18/96	108,910	1,130	1,176,762	0.01
10/22/96	116,540	7,630	1,184,392	0.16
06/24/99	116,580	40	1,184,432	0.00
07/26/99	117,170	590	1,185,022	0.01
07/27/99	120,840	3,670	1,188,692	2.55
07/28/99	121,030	190	1,188,882	0.13
07/29/99	121,270	240	1,189,122	0.17
07/30/99	121,490	220	1,189,342	0.15
08/02/99	121,840	350	1,189,692	0.08
08/09/99	141,910	20,070	1,209,762	1.99
08/26/99	149,647	7,737	1,217,499	0.32
08/30/99	150,380	733	1,218,232	0.13
09/07/99	152,000	1,620	1,219,852	0.14
09/22/99	154,890	2,890	1,222,742	0.13
10/13/99	159,348	4,458	1,227,200	0.15
10/28/99	162,245	2,897	1,230,097	0.13
11/11/99	164,912	2,667	1,232,764	0.13
11/23/99	167,245	2,333	1,235,097	0.14

[a] Flow totalizer replaced on January 30, 1996

TABLE 3

CUMMULATIVE GROUND WATER SYSTEM ANALYTICAL RESULTS

Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Priority Pollutant Metals (µg/L)	Phenols & Cyanide (µg/L)	pH	C.O.D. (mg/L)	T.S.S. (mg/L)
Effluent	05/28/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	10/01/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	01/24/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	04/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	05/18/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	04/10/95	3.9	0.57	0.65	5.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	04/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	04/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	07/28/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA

TABLE 3

CUMMULATIVE GROUND WATER SYSTEM ANALYTICAL RESULTS

Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Priority Pollutant Metals (µg/L)	Phenols & Cyanide (µg/L)	pH	C.O.D. (mg/L)	T.S.S. (mg/L)
Influent	09/14/95	<0.5	<0.5	<0.5	<0.5	490[a]	NA	NA	NA	NA	NA	NA
Mid-Carbon	09/14/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	09/14/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	5.3	NA	NA	NA	NA	NA
Mid-Carbon	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Influent	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Influent	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	7.9	NA	NA	NA	NA	NA
Mid-Carbon	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA

TABLE 3

CUMMULATIVE GROUND WATER SYSTEM ANALYTICAL RESULTS

Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Priority Pollutant Metals (µg/L)	Phenols & Cyanide (µg/L)	pH	C.O.D. (mg/L)	T.S.S. (mg/L)
Influent	06/11/96	2.4	0.57	5.9	2.8	190	610	NA	NA	NA	NA	NA
Mid-Carbon	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Influent	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	11	NA	NA	NA	NA	NA
Mid-Carbon	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Influent	06/24/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
DAT Effluent	06/24/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	06/24/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	06/24/99	<0.5	<0.5	<0.5	<0.5	<50	NA	0.0037[a]	ND	8.9	NA	NA
Influent	07/26/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	07/27/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	07/28/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	08/02/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
DAT Effluent	08/02/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	08/02/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	08/02/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA

TABLE 3

CUMMULATIVE GROUND WATER SYSTEM ANALYTICAL RESULTS

Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Priority Pollutant Metals (µg/L)	Phenols & Cyanide (µg/L)	pH	C.O.D. (mg/L)	T.S.S. (mg/L)
Effluent	08/30/99	NA	NA	NA	NA	NA	NA	NA	NA	7.9	<1.0	2.6
Influent	09/07/99	<0.5	<0.5	<0.5	<0.5	91	NA	NA	NA	NA	NA	NA
DAT Effluent	09/07/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	09/07/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	09/07/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Influent	10/13/99	<0.5	<0.5	<0.5	<0.5	<50	110	NA	NA	NA	NA	NA
DAT Effluent	10/13/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	10/13/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	10/13/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	7.96	<10	<5.0
Influent	11/11/99	<0.5	<0.5	<0.5	0.95	<50	28	NA	NA	NA	NA	NA
DAT Effluent	11/11/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	11/11/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	11/11/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	8.05	<10	<5.0

[a] Not typical gasoline.
[b]

T.3 S.

R.2 W.

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

North

0 2000 FT

SCALE 1:24,000

QUADRANGLE LOCATION

FIGURE 1
SITE LOCATION MAP

BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-936	DRAWN BY M.L. 12/8/99
FILE NO. 93-936-1A	PREPARED BY TLA
REVISION NO. 4	REVIEWED BY

Delta Environmental Consultants, Inc.

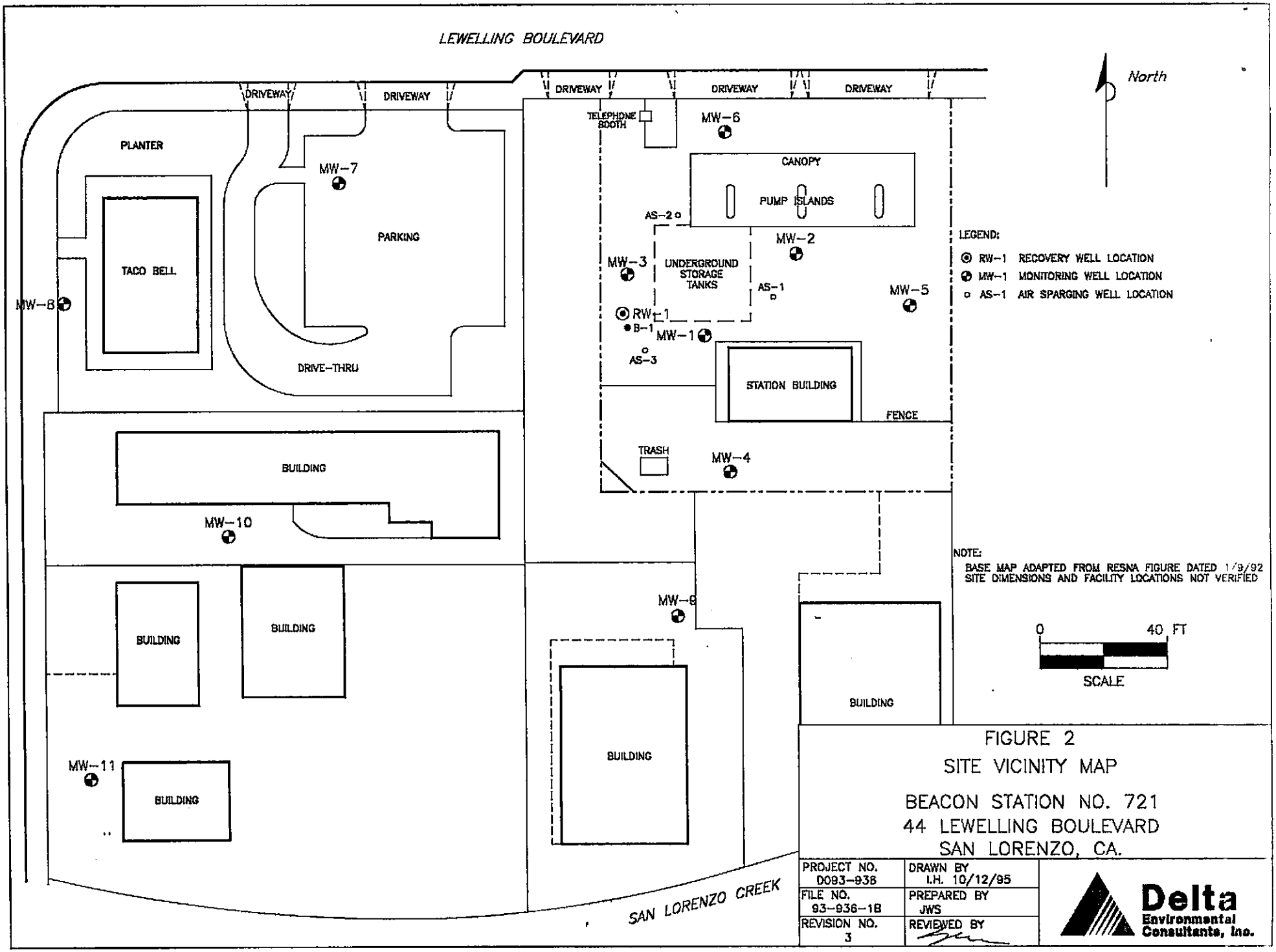

FIGURE 2

SITE VICINITY MAP

BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-938	DRAWN BY I.H. 10/12/95
FILE NO. 93-936-18	PREPARED BY JWS
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

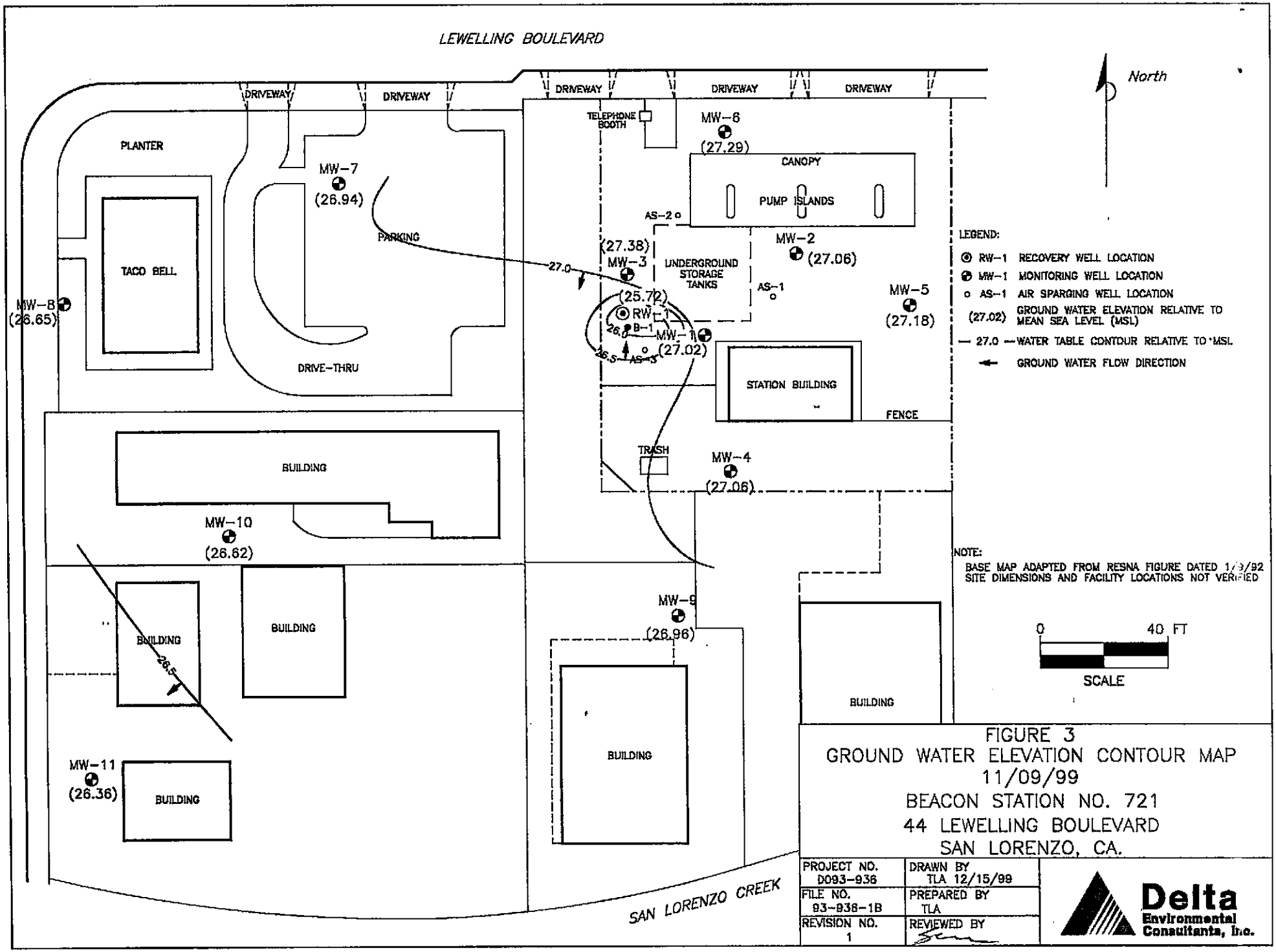

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
11/09/99
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 0093-936	DRAWN BY TLA 12/15/99
FILE NO. 93-936-1B	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

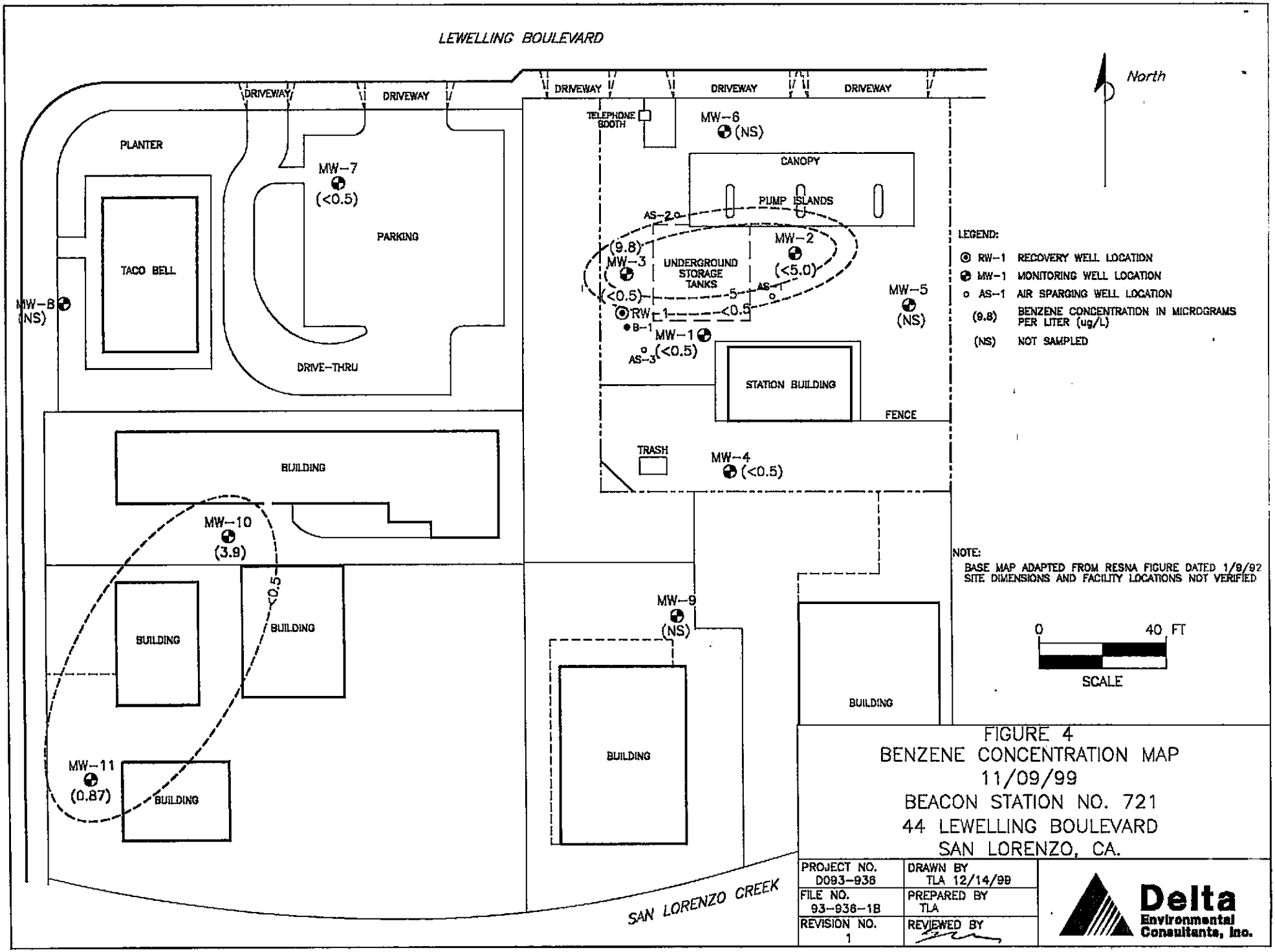

FIGURE 4
BENZENE CONCENTRATION MAP
11/09/99
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-938	DRAWN BY TLA 12/14/99
FILE NO. 93-938-18	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures to be followed throughout the investigation.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis and stored, prior to analysis, for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Water Sample Collection for Volatile Organic Analyses

For volatile organic analyses (VOA), the water sample is decanted into each VOA vial in such a manner that there is no meniscus at the top of the vial. A cap is quickly secured to the top of the vial. The vial is inverted and gently tapped to see if air bubbles are present. If none are present, the vial is labeled and refrigerated according to soil and water sample labeling and preservation.

Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling, all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Delta's office, the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain of custody form.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4°C Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. A California-certified laboratory analyzes samples.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally required logbook, maintained by the laboratory, in the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

ENCLOSURE B

Alameda County Health Care Services Agency
Letter Dated January 19, 1999

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RECEIVED
JAN 25 1999

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

StID 1497

January 19, 1999

Mr. Terrence Fox
Ultramar
PO Box 466
Hanford, CA 93232-0406

RE: Groundwater Sampling Frequency at 44 Lewelling Blvd, San Lorenzo, CA

Dear Mr. Fox:

I have completed review of Delta Environmental's January 1999 *Quarterly Groundwater Monitoring Report, Fourth Quarter 1998* prepared for the above referenced site. Groundwater from well MW-2 continues to exhibit elevated levels of MTBE (up to 17,000ppb). Ultramar is planning to restart the vapor extraction system in the first quarter of 1999 to reduce the MTBE levels.

Once the remediation system is operation, please keep me apprised of the effectiveness of MTBE removal from soil and groundwater. At this time, it is appropriate to reduce the groundwater sampling frequency of the various monitoring wells as follows:

- discontinue sampling of wells MW-5, MW-6, MW-8, and MW-9;
- semi-annual sampling of wells MW-4, and MW-11;
- annual sampling of well MW-7; and,
- quarterly sampling of wells MW-1, MW-2, MW-3 and MW-10.

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

eva chu
Hazardous Materials Specialist

beacon#721-1

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Direct: (916) 638-2085
Fax: (916) 638-8385

Site Address: 44 Leweling Boulevard
San Lorenzo, California
Sampled By: Mart Morgan (Delta)

Site Name: **Beacon 721**
Delta Project No.: D093-936
Date: 11/09/99

Water Level Data					Purge Volume Calculations					Sampling Analytes						Sample Record	
Well ID	Time	Depth to Water	Depth to Bottom	D.O. (mg/L)	Casing Water Column*	Well Diameter (inches)	Multiplier Value (**)	Three Casing Volumes	Actual Water Purged	BTEX (8020) VOA	TPH-g (8015M) VOA	MTBE (8020) VOA	TPH-d (8015M) Amber	Other	Other	Sample I.D.	Sample Time
MW-1	7:43	16.65	31.2	6.1	14.55	2 inch	0.5	7.3	7	☑	☑	☑	☐	☐	☐	MW-1	9:15
MW-2	7:54	16.03	33.3	7.3	17.27	2 inch	0.5	8.6	9	☑	☑	☑	☐	☐	☐	MW-2	9:33
MW-3	8:03	15.72	29.3	0.7	13.58	2 inch	0.5	6.8	7	☑	☑	☑	☐	☐	☐	MW-3	9:50
MW-4*	7:38	17.60	24.6	0.6	7.00	2 inch	0.5	3.5	4	☑	☑	☑	☐	☐	☐	MW-4	9:02
MW-5	7:47	16.61		8.0						☐	☐	☐	☐	☐	☐		
MW-6	7:58	15.18		1.4						☐	☐	☐	☐	☐	☐		
MW-7*	8:12	14.60	24.3	0.8	9.70	2 inch	0.5	4.9	5	☑	☑	☑	☐	☐	☐	MW-7	10:06
MW-8	8:16	15.61		0.5						☐	☐	☐	☐	☐	☐		
MW-9	8:08	17.98		0.7						☐	☐	☐	☐	☐	☐		
MW-10	8:20	15.72	29.5	0.8	13.78	2 inch	0.5	6.9	7	☑	☑	☑	☐	☐	☐	MW-10	10:44
MW-11*	8:25	18.64	29.5	0.5	10.86	2 inch	0.5	5.4	5	☑	☑	☑	☐	☐	☐	MW-11	10:26
RW-1	7:51	17.45	29.5	NM	12.05	6 inch	4.4	53.0	53	☑	☑	☑	☐	☐	☐	RW-1	8:44
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐	☐		

Purge Method: ☑ Pump ☐ Bailer ☑ Sample Port

***Casing Water Column:** Depth to Bottom - Depth to Water

****Multiplier Values:** (2" Well: 0.5) (3" Well: 1.1) (4" Well: 2.0) (6" Well: 4.4)

Sampling Notes: *Sample MW-4 and MW-11 during 2nd and 4th Quarters Only & MW-7 during the 4th Quarter Only.

Original Copies of Field Sampling Sheets are Located in Project File

ENCLOSURE D

Ground Water Sample Laboratory Report

KIFF ANALYTICAL LLC

Report Number : 15316
Date : 11/16/99

Richard Munsch
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

RECEIVED
NOV 23 1999
By

Subject : 8 Water Samples
Project Name : Beacon 721
Project Number : D093-936

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15316
Date : 11/16/99

Project Name : **Beacon 721**
Project Number : **D093-936**

Sample : **MW-1** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**3.1**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**2.0**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**1500**	50	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**170**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	100		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	110		% Recovery	M EPA 8015	11/14/99

Sample : **MW-2** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 5.0**	5.0	ug/L	EPA 8020	11/16/99
Toluene	**< 5.0**	5.0	ug/L	EPA 8020	11/16/99
Ethylbenzene	**< 5.0**	5.0	ug/L	EPA 8020	11/16/99
Total Xylenes	**< 5.0**	5.0	ug/L	EPA 8020	11/16/99
Methyl-t-butyl ether	**14000**	250	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**< 500**	500	ug/L	M EPA 8015	11/16/99
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	11/16/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	11/16/99

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 15316

Date : 11/16/99

Project Name : **Beacon 721**

Project Number : **D093-936**

Sample : **MW-3** Matrix : Water

Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**9.8**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**5.3**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**3.4**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**10**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**48**	5.0	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**230**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	106		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	106		% Recovery	M EPA 8015	11/14/99

Sample : **MW-4** Matrix : Water

Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**2500**	50	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	108		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	102		% Recovery	M EPA 8015	11/14/99

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 15316
Date : 11/16/99

Project Name : **Beacon 721**
Project Number : **D093-936**

Sample : **MW-7** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**16**	5.0	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	107		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	11/14/99

Sample : **MW-10** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3.9**	2.5	ug/L	EPA 8020	11/14/99
Toluene	**11**	2.5	ug/L	EPA 8020	11/14/99
Ethylbenzene	**60**	2.5	ug/L	EPA 8020	11/14/99
Total Xylenes	**14**	2.5	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**120**	25	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**7600**	250	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	103		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	11/14/99

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15316
Date : 11/16/99

Project Name : **Beacon 721**
Project Number : **D093-936**

Sample : **MW-11** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.87**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**66**	5.0	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**250**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	108		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	107		% Recovery	M EPA 8015	11/14/99

Sample : **RW-1** Matrix : Water
Sample Date :11/09/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/14/99
Methyl-t-butyl ether	**78**	5.0	ug/L	EPA 8020	11/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/14/99
aaa-Trifluorotoluene (8020 Surrogate)	107		% Recovery	EPA 8020	11/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	102		% Recovery	M EPA 8015	11/14/99

Approved By: Joel Kiff

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

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

15316

Beacon Station No.	Sampler (Print Name)			ANALYSES								Date	Form No.
721	Martin Morgan											11/9/99	1 of 1
Project No.	Sampler (Signature)											Kiff Lab	
D093-936												530 297 4800	
Project Location	Affiliation												
San Lorenzo, CA	Delta Env. Cons.											Standard TAT	
Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	MTBE 8020				No. of Containers	REMARKS	
MW-1	11/9/99	0915	-01	X	X		X				4		
MW-2		0933	-02	X	X		X				4		
MW-3		0950	-03	X	X		X				4		
MW-4		0902	-04	X	X		X				4		
MW-7		1006	-05	X	X		X				4		
MW-10		1044	-06	X	X		X				4		
MW-11		1026	-07	X	X		X				4		
RW-1		0844	-08	X	X		X				4		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
/Delta	11/9/99	1257			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
				11/9/99	1257

Report To: Richard Munsch

916 638 2085

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Terry Fox

WHITE: Return to Client with Report YELLOW: Laboratory Copy PINK: Originator Copy

32-8003 1/90

ENCLOSURE E

Ground Water Treatment System Analytical Results

KIFF ANALYTICAL LLC

Report Number : 15141
Date : 10/19/99

Richard Munsch
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

RECEIVED
NOV 1 - 1999
By

Subject : 4 Water Samples
Project Name : Beacon 721
Project Number : 93-936

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15141

Date : 10/19/99

Project Name : **Beacon 721**

Project Number :

Sample : **W-Inf.** Matrix : Water

Sample Date :10/13/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Methyl-t-butyl ether	**110**	5.0	ug/L	EPA 8020	10/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	10/14/99
aaa-Trifluorotoluene (8020 Surrogate)	99.1		% Recovery	EPA 8020	10/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	10/14/99

Sample : **W-DATS Effl.** Matrix : Water

Sample Date :10/13/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	10/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	10/14/99
aaa-Trifluorotoluene (8020 Surrogate)	105		% Recovery	EPA 8020	10/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	102		% Recovery	M EPA 8015	10/14/99

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15141

Date : 10/19/99

Project Name : **Beacon 721**

Project Number :

Sample : **W-Mid. Carb.** Matrix : Water

Sample Date :10/13/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	10/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	10/14/99
aaa-Trifluorotoluene (8020 Surrogate)	100		% Recovery	EPA 8020	10/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	99.1		% Recovery	M EPA 8015	10/14/99

Sample : **W-Effl.** Matrix : Water

Sample Date :10/13/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	10/14/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	10/14/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	10/14/99
aaa-Trifluorotoluene (8020 Surrogate)	99.8		% Recovery	EPA 8020	10/14/99
aaa-Trifluorotoluene (Gasoline Surrogate)	98.1		% Recovery	M EPA 8015	10/14/99

Approved By: Joel Kiff

CLS Labs

10/21/99

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

Attention: Joel Kiff

Reference: Analytical Results

Project Name: Beacon 721
Project No.: 15141
Date Received: 10/13/99
Chain Of Custody: NO NUMBER

CLS ID No.: R5157
CLS Job No.: 825157

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description*
1	10 Days	Total Suspended Solids, EPA Method 160.2
1	10 Days	Chemical Oxygen Demand, EPA Method 410.4
1	10 Days	pH, EPA Method 9040

Per Mary at Kiff Analytical, the "S.S." on the Chain of Custody should be analysis Total Suspended Solids.

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

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

CLS Labs

Analysis Report: **Total Suspended Solids, EPA Method 160.2**

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

Project: **Beacon 721**

Date Sampled: **10/13/99**
Date Received: **10/13/99**
Date Extracted: **N/A**
Date Analyzed: **10/15/99**
Date Reported: **10/20/99**

Project No.: **15141**
Contact: **Joel Kiff**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R5157**
Job No.: **825157**
COC Log No.: **NO NUMBER**
Batch No.: **W991014D**
Instrument ID: **BA005**
Analyst ID: **CHARLESS**
Matrix: **WATER**

ANALYTICAL RESULTS

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

ND = Not detected at or above indicated Reporting Limit

CA DOHS ELAP Accreditation/Registration Number 1233

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

CLS Labs

Analysis Report: **Chemical Oxygen Demand, EPA Method 410.4**

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

Project: **Beacon 721**

Date Sampled: 10/13/99
Date Received: 10/13/99
Date Extracted: **N/A**
Date Analyzed: 10/14/99
Date Reported: 10/20/99

Project No.: **15141**
Contact: **Joel Kiff**
Phone: (530)297-4800

Lab Contact: **James Liang**
Lab ID No.: **R5157**
Job No.: **825157**
COC Log No.: **NO NUMBER**
Batch No.: **W991014D**
Instrument ID: **UV002**
Analyst ID: **CHARLESS**
Matrix: **WATER**

ANALYTICAL RESULTS

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

ND = Not detected at or above indicated Reporting Limit

CA DOHS ELAP Accreditation/Registration Number 1233

CLS Labs

Analysis Report: pH, EPA Method 9040

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

Project: Beacon 721

Date Sampled: 10/13/99
Date Received: 10/13/99
Date Extracted: N/A
Date Analyzed: 10/14/99
Date Reported: 10/20/99

Project No.: 15141
Contact: Joel Kiff
Phone: (530)297-4800

Lab Contact: James Liang
Lab ID No.: R5157
Job No.: 825157
COC Log No.: NO NUMBER
Batch No.: W991014D
Instrument ID: PH002
Analyst ID: CHARLESS
Matrix: WATER

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Value (Standard Units)
1A / W-Effl. pH	N/A	7.96

CA DOHS ELAP Accreditation/Registration Number 1233

R5157

KIFF ANALYTICAL LLC

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

Lab No. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Joel Kiff
Phone No.:
Company/Address:
FAX No.:
Project Number: 15141
P.O. No.:
Project Name: Beacon 721
Project Location:
Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount): 40 ml VOA	SLEEVE	1L GLASS	500 ml GLASS	1L Poly	Method Preserved: HCl	HNO_3	ICE	NONE	Matrix: WATER/SOIL	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)	EPA 8260	EPA 8270	W.E.T. (X) / TOTAL (X): Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	S.S.	COD	pH	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	For Lab Use Only
W-Effl.	10-13-99	1345					1			X		W													X	X	X		

Relinquished by:	Date	Time	Received by:	Remarks:
Mary Corbit	101399	1945		
Relinquished by:	Date	Time	Received by:	Email address: ☐ .doc ☐ .xls ☐ .txt ☐ other _____
Relinquished by:	Date	Time 19:48	Received by Laboratory: 10/13/99	Bill to:

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

COC.fh8 (9/98)

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON
15141

Beacon Station No.	Sampler (Print Name)	ANALYSES	Date	Form No.
721	Charles E. Parker		10-13-99	1 of 1
Project No.	Sampler (Signature)			
Project Location: San Lorenzo, CA	Affiliation: WSIS		Normal Turnaround	

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	MTBE	pH, COD, S.S.	No. of Containers	REMARKS	
W - Inf.	10-13-99	1330		✓	✓		✓		3		-01
W - DAFS Effl.	10-13-99	1335		✓	✓		✓		3		-02
W - Mech. Carb.	10-13-99	1339		✓	✓		✓		3		-03
W - Effl.	10-13-99	1345		✓	✓		✓		4		-04

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	10/13/99	1655			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
				10/13/99	1700

Report To: Richard Muench
Delta Environmental

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Terry Fox

WHITE: Return to Client with Report YELLOW: Laboratory Copy PINK: Originator Copy

32-8003 1/90

KIFF ANALYTICAL LLC

Report Number : 15337
Date : 11/16/99

Richard Munsch
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

RECEIVED
DEC - 8 1999
By

Subject : 4 Water Samples
Project Name : Beacon 721
Project Number :

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15337

Date : 11/16/99

Project Name : **Beacon 721**

Project Number :

Sample : **W-Inf.** Matrix : Water

Sample Date :11/11/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Total Xylenes	**0.95**	0.50	ug/L	EPA 8020	11/15/99
Methyl-t-butyl ether	**28**	5.0	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/15/99
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	11/15/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	11/15/99

Sample : **W-DAT Effl.** Matrix : Water

Sample Date :11/11/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/15/99
aaa-Trifluorotoluene (8020 Surrogate)	105		% Recovery	EPA 8020	11/15/99
aaa-Trifluorotoluene (Gasoline Surrogate)	98.5		% Recovery	M EPA 8015	11/15/99

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 15337

Date : 11/16/99

Project Name : **Beacon 721**

Project Number :

Sample : **W-Mid Carb.** Matrix : Water

Sample Date :11/11/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/15/99
aaa-Trifluorotoluene (8020 Surrogate)	105		% Recovery	EPA 8020	11/15/99
aaa-Trifluorotoluene (Gasoline Surrogate)	99.4		% Recovery	M EPA 8015	11/15/99

Sample : **W-Effl.** Matrix : Water

Sample Date :11/11/99

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/15/99
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/15/99
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/15/99
aaa-Trifluorotoluene (8020 Surrogate)	106		% Recovery	EPA 8020	11/15/99
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	11/15/99

Approved By: Joel Kiff

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

CLS Labs

11/29/1999

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

Attention: **Joel Kiff**

Reference: **Analytical Results**

Project Name: **B721**
Project No.:
Date Received: **11/11/1999**
Chain Of Custody: **NO NUMBER**

CLS ID No.: **R5801**
CLS Job No.: **825801**

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description--*
1	10 Days	Total Suspended Solids, EPA Method 160.2
1	10 Days	Chemical Oxygen Demand, EPA Method 410.4
1	10 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

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

CLS Labs

Analysis Report: **Total Suspended Solids, EPA Method 160.2**

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

Project: **B721**

Date Sampled: **11/11/99**
Date Received: **11/11/99**
Date Extracted: **N/A**
Date Analyzed: **11/15/99**
Date Reported: **11/29/99**

Project No.:
Contact: **Joel Kiff**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R5801**
Job No.: **825801**
COC Log No.: **NO NUMBER**
Batch No.: **W991111F**
Instrument ID: **BA005**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / W-Effl. 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: **B721**

Date Sampled: **11/11/99**
Date Received: **11/11/99**
Date Extracted: **N/A**
Date Analyzed: **11/16/99**
Date Reported: **11/29/99**

Project No.:
Contact: Joel Kiff
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R5801**
Job No.: **825801**
COC Log No.: **NO NUMBER**
Batch No.: **W991111F**
Instrument ID: **UV002**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / W-Effl. 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: **B721**

Date Sampled: **11/11/99**
Date Received: **11/11/99**
Date Extracted: **N/A**
Date Analyzed: **11/12/99**
Date Reported: **11/29/99**

Project No.:
Contact: **Joel Kiff**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R5801**
Job No.: **825801**
COC Log No.: **NO NUMBER**
Batch No.: **W991111F**
Instrument ID: **PH002**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Value (Standard Units)
1A / W-Effl. pH	N/A	8.05

CA DOHS ELAP Accreditation/Registration Number 1233

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

KIFF ANALYTICAL LLC

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

Lab No. R5801 Page ____ of ____

Chain-of-Custody Record and Analysis Request

Project Manager: Joel Kiff	Phone No.:
Company/Address:	FAX No.:
Project Number: B721 / P.O. No.:	Project Name:
Project Location:	Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount): 40 ml VOA	SLEEVE	1L GLASS	500 ml GLASS	P01/L	Method Preserved: HCl	HNO_3	ICE	NONE	Matrix: WATER/SOIL		Analysis Request: BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)	EPA 8260	EPA 8270	W.E.T. (X)	TOTAL (X): Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	pH, COD, TSS	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	For Lab Use Only
W- Eff 1.	11/11/99	1315					1			X																	X X X		

Relinquished by: K.Sff Mick Zantl	Date 11/11/99	Time 1732	Received by: Lori Mora	Remarks:
Relinquished by:	Date	Time	Received by:	Email address: ☐.doc ☐.xls ☐.txt ☐other
Relinquished by:	Date	Time	Received by Laboratory:	Bill to:

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

COC.fh8 (9/98)

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

15337

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	Charles E. Parker	11-11-99	1 of 1
Project No.	Sampler (Signature)		
Project Location: San Lorenzo, CA	Affiliation: URS		

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	MTBE	pH, COD, S.S.	No. of Containers	REMARKS
W-Inf.	11-11-99	1300	-01	✓	✓	✓			3	Normal Turnaround
W-DAT Effl.	11-11-99	1305	-02	✓	✓	✓			3	
W-Mid Carb.	11-11-99	1308	-03	✓	✓	✓			3	
W-Effl.	11-11-99	1315	-04	✓	✓	✓			4	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	11/11/99	1340			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			P.C.D.	11/11/99	1340

Report To: Richard Munsch
Delta Environmental

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Terry Fox

WHITE: Return to Client with Report YELLOW: Laboratory Copy PINK: Originator Copy

32-8003 1/00