Ultramar

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

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

February 27, 1998

Ms. Amy Leach
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. Leach:

The above-referenced site has been monitoring and sampled since 1987. Remediation began on this site in 1993. In January 1997, remediation was discontinued.

With monitoring and sampling since 1987, and considering the reduced dissolved petroleum hydrocarbon concentrations in the ground water, Ultramar believes that no additional beneficial information can be obtained by continuing to monitor and sample of this site on a quarterly basis. Therefore, Ultramar requests that the monitoring and sampling frequency be reduced to semi-annual.

In addition, Ultramar has reviewed the memo from the San Francisco Bay Regional Water Quality Control Board dated January 31, 1997 which contains the rationale and criteria for implementing the non-purge method at petroleum hydrocarbon impacted sites. Ultramar believes that this site meets those criteria and proposes to implement the non-purge method at the site.

Your rapid response to these two requests would be appreciated. Please call if you have any questions regarding this project.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosures

cc w/encl: Mr. Steve Morse, San Francisco Bay Region, RWQCB
Mr. Richard Munsch, Delta Environmental Consultants

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January 7, 1998

Ms. Amy Leach
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. Leach:

Enclosed is a copy of the ***Quarterly Ground Water Monitoring Report, Fourth Quarter 1997*** for the above-referenced Ultramar facility. Also included is a copy of the Quarterly Status.

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: January 7, 1998
QUARTER ENDING: December 31, 1997

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

ULTRAMAR CONTACT: Terrence A. Fox **TEL. NO:** 209-583-5545

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.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on November 5, 1997. In October 1997, drilled confirmation borings.

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that benzene concentrations remained not detected in wells MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9. The benzene concentration increased in MW-1 from not detected to 2.8 ppb, in MW-3 from 480 ppb to 870 ppb, in MW-10 from not detected to 1.1 ppb, and in RW-1 from 25 ppb to 340 ppb. MW-11 was not sampled this quarter.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY	ESTIMATED COMPLETION DATE
Continue quarterly ground-water monitoring.	Ongoing
Submit site closure/RBCA report.	January 31, 1997

Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670
916/638-2085
FAX: 916/638-8385

January 6, 1998

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

Subject: *Quarterly Ground Water Monitoring Report, Fourth Quarter 1997*
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. (Ultramar), to conduct quarterly ground water monitoring 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. This report summarizes the results of ground water monitoring activities performed at the site on November 5, 1997. The site location is shown in Figure 1 and site features are illustrated in Figure 2.

Ground water monitoring included 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

Depth to ground water was measured in monitoring wells MW-1 through MW-10, and recovery well RW-1 at depths ranging from 15.43 (MW-7) to 18.61 (MW-9) feet below the top of the well casings. Ground water monitoring well MW-11 was not accessible during this sampling event due to a parked automobile over the well. Ground water elevations have decreased an average of approximately 0.60 feet since the previous quarterly event in August 1997. 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 west 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 5, 1997, ground water samples were collected from monitoring wells MW-1 through MW-10, and recovery well RW-1. A ground water sample was not collected from monitoring well MW-11 due to inaccessibility. The ground water samples were submitted to Kiff Analytical of Davis, California (a California-certified laboratory), for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8020, total petroleum

hydrocarbons (TPH) as gasoline by EPA Method 8015 Modified, and MTBE by EPA Method 8260. A copy of the sampling information data sheets are included in Enclosure B.

Benzene was not reported at or above the laboratory reporting limit in ground water samples collected from MW-2, and MW-4 through MW-9. Benzene was reported in the samples collected from wells MW-1, MW-3, MW-10, and RW-1 at concentrations ranging from 1.1 micrograms per liter (µg/L) in MW-10 to 340 µg/L in RW-1. The samples collected from MW-1 through MW-3, MW-6, MW-7, MW-10, and RW-1 were reported to contain detectable concentrations of MTBE ranging from 2.3 µg/L in MW-10 to 2,900 µg/L in MW-2 utilizing EPA Method 8260. Utilizing the November 1997 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 C.

Remediation System Status

The ground water treatment system was shut down in October 1996 due to low influent concentrations. The soil vapor extraction and air sparging system was shut down on June 22, 1997, as the results indicated asymptotic levels had been reached. A site closure evaluation report is currently being prepared.

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
2101 Webster Street
Oakland, California 94612

Ms. Amy Leech
Alameda County
Environmental Health Dept.
470 27th Street, Room 322
Oakland, California 94612

If you have any questions, please contact Keoni Almeida at (916) 638-2085.

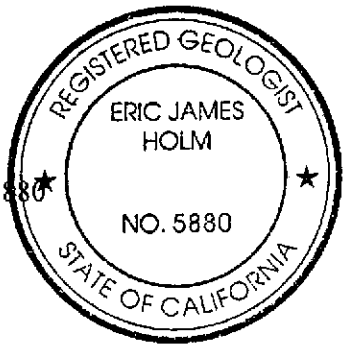
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

William L. Brattain
Project Engineer

Charles Keoni Almeida
Project Manager

Eric J. Holm, R.G.
California Registered Geologist No. 5880



WLB (LRP011.936)
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

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-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

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

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

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	9.2	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

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	7.1	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

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-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	9.8	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

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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-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

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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	NA	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

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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-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

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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

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	8.8	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

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	08/18/97	43.17	16.19	26.98	25	<0.5	<0.5	3.6	220	170	No free product or sheen
(cont)	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

[a] Product is not typical gasoline.
[b] MTBE by EPA Method 8020/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.
NA = Not analyzed.
NM = Not measured.
NC = Not calculated.

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

GENERAL NOTES:

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

North

CALIF

QUADRANGLE LOCATION

0 2000 FT

SCALE 1 : 24,000

FIGURE 1
SITE LOCATION MAP
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 40-93-936	DRAWN BY L.H. 11/2/92
FILE NO. —	PREPARED BY TMG
REVISION NO. 1	REVIEWED BY [illegible] 11/19/92

Delta Environmental Consultants, Inc.

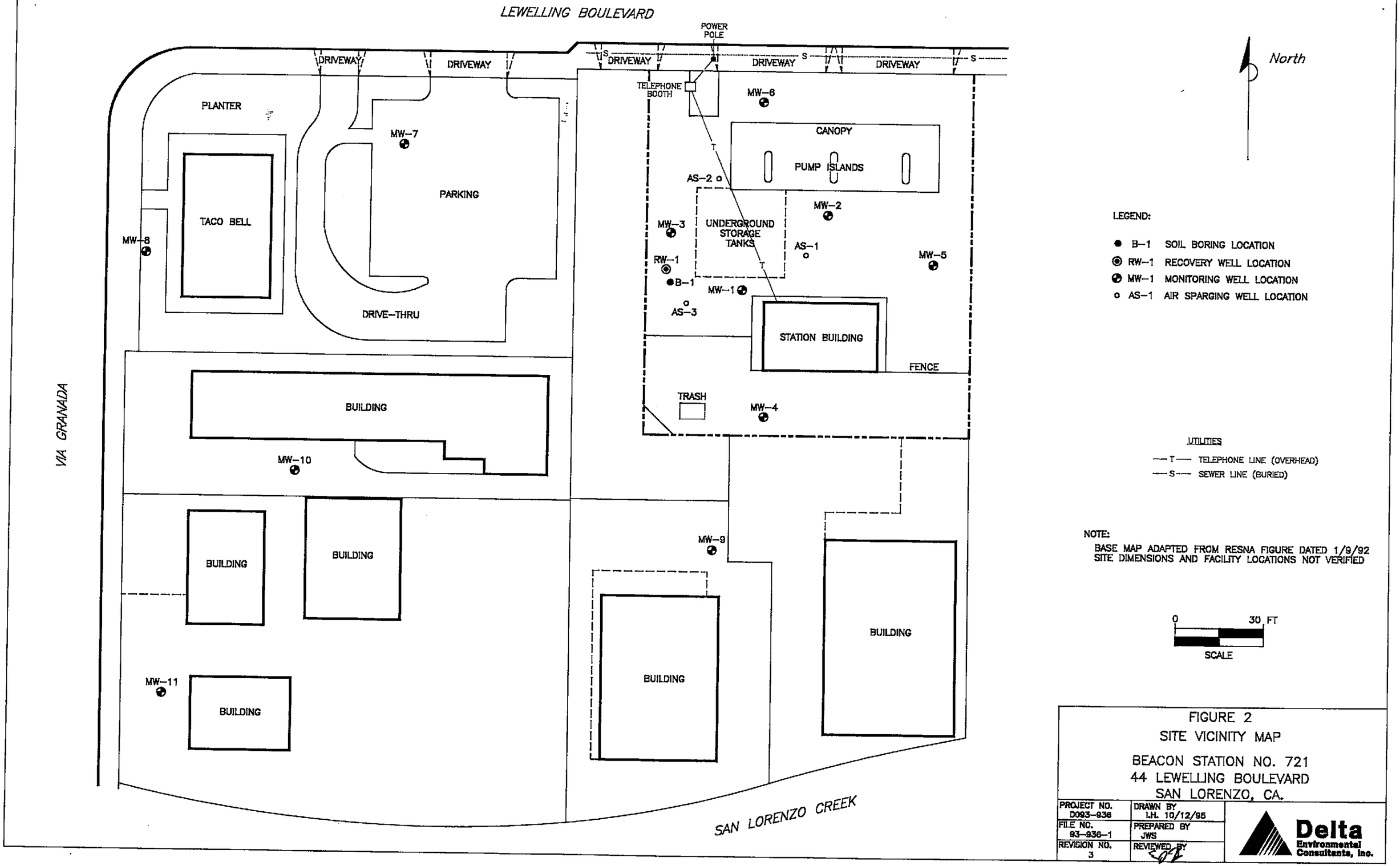


FIGURE 2
SITE VICINITY MAP

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

PROJECT NO. D093-936	DRAWN BY I.H. 10/12/95
FILE NO. 93-936-1	PREPARED BY JWS
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

LEWELLING BOULEVARD

VIA GRANADA

SAN LORENZO CREEK

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

PLANTER

TACO BELL

PARKING

DRIVE-THRU

BUILDING

BUILDING

BUILDING

BUILDING

BUILDING

BUILDING

TELEPHONE BOOTH

CANOPY

PUMP ISLANDS

UNDERGROUND STORAGE TANKS

STATION BUILDING

FENCE

TRASH

MW-1 (26.22)

MW-2 (26.34)

MW-3 (26.22)

MW-4 (26.42)

MW-5 (26.42)

MW-6 (26.22)

MW-7 (26.11)

MW-8 (26.01)

MW-9 (26.33)

MW-10 (26.02)

MW-11 (NM)

RW-1

AS-1

AS-2

AS-3

B-1

B-2

B-4

S-1

S-2

S-3/S-17-NW (26.32)

S-4

S-5

S-6

26.1

26.2

26.3

26.4

North

LEGEND:

- RW-1 RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- S-1 UST BASIN SOIL SAMPLE LOCATION
- B-2 SOIL BORING LOCATION
- (26.22) GROUND WATER ELEVATION ASSUMED RELATIVE TO MEAN SEA LEVEL
- 26.2 WATER TABLE CONTOUR ASSUMED RELATIVE TO MEAN SEA LEVEL
- GROUND WATER FLOW DIRECTION
- (NM) NOT MEASURED

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

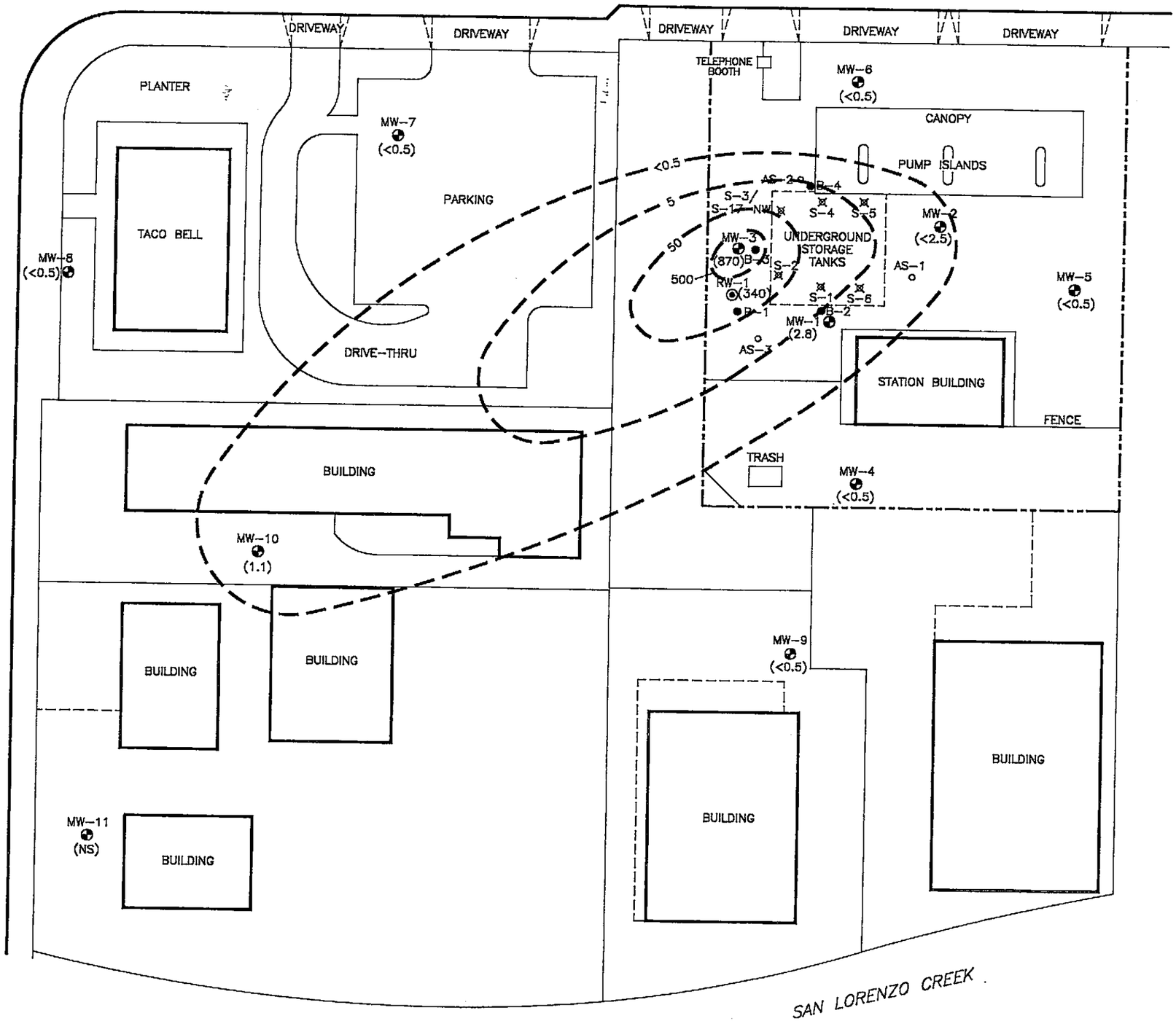
0 30 FT

SCALE

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
11/5/97
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-936	DRAWN BY M.L. 12/9/97
FILE NO. 93-936-1	PREPARED BY CKA
REVISION NO. 2	REVIEWED BY CKA

Delta Environmental Consultants, Inc.



LEGEND:

- RW-1 RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- S-1 UST BASIN SOIL SAMPLE LOCATION
- B-2 SOIL BORING LOCATION
- (2.8) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5 BENZENE ISOCONCENTRATION IN ug/L

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

0 30 FT
SCALE

FIGURE 4
DISSOLVED BENZENE ISOCONCENTRATION MAP
11/5/97
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-938	DRAWN BY M.L. 12/8/97
FILE NO. 93-838-1	PREPARED BY CKA
REVISION NO. 2	REVIEWED BY CKA

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° 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. Samples are analyzed by a California-certified laboratory.

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 log book, maintained by the laboratory, in the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-1 Project Name: Beacon 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

te Sampled: 11/5/97 Time: 1000

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ell Depth 31.20 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 17.45 ft. Date: 11/5/97 Time 0955

ell Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

rging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least 6 well volumes have been evacuated before sampling.

bing (type: O). (new or previously used) was used to purge well

mpling method: ~~_____~~ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX; TPHg Sample appearance Clear

e any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

mments: DO = 0.4 ppm

rmation (thermal preservation) 6/ COOLER + ICE

mpleted by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-2 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11/5/97 Time: 0945

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ell Depth 33.30 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 16.75 ft. Date: 11/5/97 Time 0940

ell Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least ~~2~~ well volumes have been evacuated before sampling.

ing (type: ~~new~~). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance clear

e any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

marks: DO = 0.7 ppm

servation (thermal preservation) COOLER & ICE

Sampled by: [illegible]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-3 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11/5/97 Time: 1015

llhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

lipment Replaced: _____ bolts _____ locks _____ locking cap

ll Depth 29.30 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 16.78 ft. Date: 11/5/97 Time 1010

ll Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least 2 well volumes have been evacuated before sampling.

ing (type: ~~⊖~~). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance Clear

e any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.3 ppm

ervation (thermal preservation) COOLER & ICE

Sampled by: [illegible]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-4 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11 / 5 / 97 Time: 1045

llhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

lipment Replaced: _____ bolts _____ locks _____ locking cap

ll Depth 24.60 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 18.24 ft Date: 11 / 5 / 97 Time 1040

ll Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

east 2 well volumes have been evacuated before sampling.

ing (type: D). (new or previously used) was used to purge well

mpling method: C Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX; TPHg Sample appearance Clear

e any sampling problems NONE

GROUND-WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.8 ppm

ervation (thermal preservation) COOLER & ICE

Sampled by:

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-5 Project Name: BEACON 721 Project No. D093-936

ation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

te Sampled: 11/5/97 Time: 0930

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ell Depth 29.20 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 17.37 ft. Date: 11/5/97 Time 0925

ell Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

rging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least ~~0~~ well volumes have been evacuated before sampling.

ping (type: ~~0~~). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX; TPHg Sample appearance cloudy

e any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.5 ppm

ervation (thermal preservation) cooler & ice

mpled by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-6 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11/5/97 Time: 0915

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ll Depth 28.70 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 16.25 ft. Date: 11/5/97 Time 0910

ll Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

east 0 well volumes have been evacuated before sampling.

ing (type: NEW). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance clear

e any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.8 ppm

servation (thermal preservation) COOLER & ICE

mpled by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-7 Project Name: BEACON 721 Project No. 2093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11 / 5 / 97 Time: 0845

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

el Depth 24.30 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 15.43 ft Date: 11 / 5 / 97 Time 0840

el Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

rging method: _____ Submersible pump _____ Bailer X Centrifugal pump _____ Other _____

least 3 well volumes have been evacuated before sampling.

ing (type: _____). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance clear

e any sampling problems? NONE

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.6 ppm

ervation (thermal preservation) COOLER & ICE

mpled by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-8 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11 / 5 / 97 Time: 0830

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ll Depth 23.20 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 16.25 ft. Date: 11 / 5 / 97 Time 0821

ll Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least ~~4~~ well volumes have been evacuated before sampling.

ing (type: _____). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX; TPHg Sample appearance Clear

e any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.8 ppm

servation (thermal preservation) COOLER & ICE

Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-9 Project Name: BEACON 721 Project No. D093-936

cation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

te Sampled: 11 / 5 / 97 Time: 0900

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

uipment Replaced: _____ bolts _____ locks _____ locking cap

ell Depth 23.80 ft below top of casing Casing diameter 2 inches

pth to water (below top of casing) 18.61 ft. Date: 11 / 5 / 97 Time 0851

ell Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

rging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least 4 well volumes have been evacuated before sampling.

bing (type: D). (new or previously used) was used to purge well

mpling method: ✓ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance clear

e any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

marks: DO = 0.7 ppm

portation (thermal preservation) COOLER & ICE

mpled by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

ple ID# MW-10 Project Name: BEACON 721 Project No. D093-936

tion (address) 44 LEWELLING BLVD SAN LORENZO, CA

e Sampled: 11/5/97 Time: 0815

lhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

ipment Replaced: _____ bolts _____ locks _____ locking cap

l Depth 29.50 ft below top of casing Casing diameter 2 inches

th to water (below top of casing) 16.32 ft. Date: 11/5/97 Time 0810

l Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

ast ~~0~~ well volumes have been evacuated before sampling.

ng (type: _____). (new or previously used) was used to purge well

pling method: _____ Disposable bailer _____ Sampling port

ples collected 2 VOA's - BTEX;TPHg Sample appearance Clear

any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ks: PV= 0.7 ppm

rvation (thermal preservation) COOLER & ICE

mpled by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

mple ID# MW-11 Project Name: BEACON 721 Project No. D093-936

ocation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

ate Sampled: ____ / ____ / ____ Time: _____

ellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

quipment Replaced: _____ bolts _____ locks _____ locking cap

ell Depth 29.50 ft below top of casing Casing diameter 2 inches

epth to water (below top of casing) _____ ft. Date: ____ / ____ / ____ Time _____

ell Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

rging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

least 4 well volumes have been evacuated before sampling.

bing (type: _____). (new or previously used) was used to purge well

mpling method: _____ Disposable bailer _____ Sampling port

mples collected 2 VOA's - BTEX, TPHg Sample appearance _____

e any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: CAR on well

servation (thermal preservation) COOLER & ICE

mpleted by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

ple ID# RW-1 Project Name: BEACON 721 Project No. D093-936

ation (address) 44 LEWELLING BLVD. SAN LORENZO, CA

e Sampled: 11/5/97 Time: 1030

lhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

ipment Replaced: _____ bolts _____ locks _____ locking cap

l Depth 29.50 ft below top of casing Casing diameter _____ inches

th to water (below top of casing) 16.95 ft. Date: 11/5/97 Time 1025

l Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

ging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

east 3 well volumes have been evacuated before sampling.

ing (type: O). (new or previously used) was used to purge well

pling method: ✓ Disposable bailer _____ Sampling port

ples collected _____ Sample appearance Clear

any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)

ments: DO = 0.4 ppm

ortation (thermal preservation) COOLER & ICE

Sampled by: _____

ENCLOSURE C

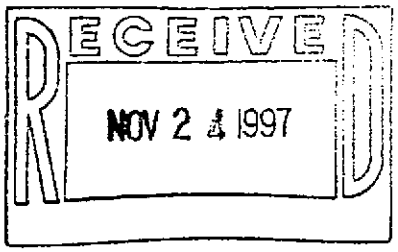
Ground Water Sample Laboratory Report

KIFF ANALYTICAL LLC

Report Number : 10677
Date : 11/15/97

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

Subject : 11 Water Samples
Project Name : Beacon 721
Project Number : D093-936



Dear Mr. Almeida,

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 916-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 10677
Date : 11/15/97

Project Name : Beacon 721
Project Number : D093-936

Sample : **MW-1** Matrix : Water
Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2.8**	2.5	ug/L	EPA 8020	11/14/97
Toluene	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Total Xylenes	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether	**400**	25	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether (MTBE)	**390**	2.5	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 250**	250	ug/L	M EPA 8015	11/14/97
aaa-Trifluorotoluene (8020 Surrogate)	98.6		% Recovery	EPA 8020	11/14/97
aaa-Trifluorotoluene (Gasoline Surrogate)	95.7		% Recovery	M EPA 8015	11/14/97

Sample : **MW-2** Matrix : Water
Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Toluene	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Total Xylenes	**< 2.5**	2.5	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether	**2900**	25	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether (MTBE)	**2900**	5.0	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 250**	250	ug/L	M EPA 8015	11/14/97
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	11/14/97
aaa-Trifluorotoluene (Gasoline Surrogate)	96.1		% Recovery	M EPA 8015	11/14/97

Approved By: Joel Kiff

720 Olive Drive, Suite D, Davis, CA 95616, 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 10677

Date : 11/15/97

Project Name : **Beacon 721**

Project Number : **D093-936**

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

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**870**	2.5	ug/L	EPA 8020	11/14/97
Toluene	**15**	2.5	ug/L	EPA 8020	11/14/97
Ethylbenzene	**180**	2.5	ug/L	EPA 8020	11/14/97
Total Xylenes	**210**	2.5	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether	**240**	25	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether (MTBE)	**210**	2.5	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**4100**	250	ug/L	M EPA 8015	11/14/97
aaa-Trifluorotoluene (8020 Surrogate)	90.6		% Recovery	EPA 8020	11/14/97
aaa-Trifluorotoluene (Gasoline Surrogate)	105		% Recovery	M EPA 8015	11/14/97

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

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/11/97
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	11/11/97
aaa-Trifluorotoluene (Gasoline Surrogate)	97.4		% Recovery	M EPA 8015	11/11/97

Approved By: Joel Kiff

720 Olive Drive, Suite D, Davis, CA 95616, 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 10677

Date : 11/15/97

Project Name : Beacon 721

Project Number : D093-936

Sample : **MW-5** Matrix : Water

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/11/97
aaa-Trifluorotoluene (8020 Surrogate)	93.6		% Recovery	EPA 8020	11/11/97
aaa-Trifluorotoluene (Gasoline Surrogate)	96.6		% Recovery	M EPA 8015	11/11/97

Sample : **MW-6** Matrix : Water

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/11/97
Methyl-t-butyl ether (MTBE)	**2.8**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/11/97
aaa-Trifluorotoluene (8020 Surrogate)	96.0		% Recovery	EPA 8020	11/11/97
aaa-Trifluorotoluene (Gasoline Surrogate)	96.4		% Recovery	M EPA 8015	11/11/97

Approved By: Joel Kiff

720 Olive Drive, Suite D, Davis, CA 95616, 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 10677

Date : 11/15/97

Project Name : **Beacon 721**

Project Number : **D093-936**

Sample : **MW-7** Matrix : Water

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether	**8.9**	5.0	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether (MTBE)	**8.0**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/12/97
aaa-Trifluorotoluene (8020 Surrogate)	98.0		% Recovery	EPA 8020	11/12/97
aaa-Trifluorotoluene (Gasoline Surrogate)	97.2		% Recovery	M EPA 8015	11/12/97

Sample : **MW-8** Matrix : Water

Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/12/97
aaa-Trifluorotoluene (8020 Surrogate)	98.4		% Recovery	EPA 8020	11/12/97
aaa-Trifluorotoluene (Gasoline Surrogate)	96.2		% Recovery	M EPA 8015	11/12/97

Approved By: Joel Kiff

720 Olive Drive, Suite D, Davis, CA 95616, 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 10677
Date : 11/15/97

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

Sample : **MW-9** Matrix : Water
Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/97
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/97
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	11/14/97
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	11/14/97
aaa-Trifluorotoluene (8020 Surrogate)	98.9		% Recovery	EPA 8020	11/14/97
aaa-Trifluorotoluene (Gasoline Surrogate)	94.7		% Recovery	M EPA 8015	11/14/97

Sample : **MW-10** Matrix : Water
Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.1**	0.50	ug/L	EPA 8260B	11/14/97
Toluene	**0.86**	0.50	ug/L	EPA 8260B	11/14/97
Ethylbenzene	**47**	0.50	ug/L	EPA 8260B	11/14/97
Total Xylenes	**1.6**	0.50	ug/L	EPA 8260B	11/14/97
Methyl-t-butyl ether	**< 50**	50	ug/L	EPA 8020	11/14/97
Methyl-t-butyl ether (MTBE)	**2.3**	0.50	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**5400**	500	ug/L	M EPA 8015	11/14/97
aaa-Trifluorotoluene (8020 Surrogate)	90.0		% Recovery	EPA 8020	11/14/97
aaa-Trifluorotoluene (Gasoline Surrogate)	106		% Recovery	M EPA 8015	11/14/97

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 10677
Date : 11/15/97

Project Name : Beacon 721
Project Number : D093-936

Sample : RW-1 Matrix : Water
Sample Date :11/05/97

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**340**	0.50	ug/L	EPA 8020	11/12/97
Toluene	**3.2**	0.50	ug/L	EPA 8020	11/12/97
Ethylbenzene	**59**	0.50	ug/L	EPA 8020	11/12/97
Total Xylenes	**78**	0.50	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether	**240**	5.0	ug/L	EPA 8020	11/12/97
Methyl-t-butyl ether (MTBE)	**220**	2.5	ug/L	EPA 8260B	11/14/97
TPH as Gasoline	**1300**	50	ug/L	M EPA 8015	11/12/97
aaa-Trifluorotoluene (8020 Surrogate)	94.9		% Recovery	EPA 8020	11/12/97
aaa-Trifluorotoluene (Gasoline Surrogate)	104		% Recovery	M EPA 8015	11/12/97

Approved By: Joel Kiff

1730 Olive Drive, Suite D, Davis, CA 95616, 916.297.4800

Ultramar Inc.
CHAIN OF CUSTODY REPORT

10677

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	Jay Stoops	11-5-97	1 of 1
Project No.	**Sampler (Signature)**	KIFF LAB.	
D093-936		Standard TAT	
Project Location	**Affiliation**		
San Lorenzo	DeHa		

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	MTBE 8260	No. of Containers	REMARKS
MW-1	11-5-97	1000	-01	X	X		X	2	
MW-2		0945	-02						
MW-3		1015	-03						
MW-4		1045	-04						
MW-5		0930	-05						
MW-6		0915	-06						
MW-7		0845	-07						
MW-8		0830	-08						

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	11-7-97	1600	Mary Corbit/Kiff	11/7/97	3:45p
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Mary Corbit/Kiff	11/7/97	4:25p			

Report To: Keoni Almeida - DeHa

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

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

32-8003 1/90

Ultramar Inc.
CHAIN OF CUSTODY REPORT

10677 **BEACON**

Beacon Station No.	Sampler (Print Name)	ANALYSES	Date	Form No.
721	Jay Stoops		11-5-97	1 of 1
Project No.	**Sampler (Signature)**		Kiff CAB.	
D093-936			Standard TAT	
Project Location	**Affiliation**			
San Lorenzo	Delta			

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	MTBE 8260	No. of Containers	REMARKS
MW-9	11-5-97	0900	-09	X	X		X	2	
MW-10		0815	-10						
RW-1		1030	-11						

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Delta	11-7-97	1600	Mary Cobert Kiff	11/7/97	3:45p
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Mary Cobert Kiff	11/7/97	4:25p			

Report To: Kevin Graves - Delta

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

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

32-8003 1/90