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

ENVIRONMENTAL
PROTECTION

00 JUN -2 AM 11: 17

May 16, 2000

Increasing trend for MTBE at MW-4
ND in 1996 & 1997; 46 ppb in 8/98
2,000 ppb in 6/99 and 12,000 in 3/00.
and in well MW-2
but ND in well MW-9

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

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report, First Quarter 2000*
Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California
Delta Project No. D193-936

RA
System down since 2/00

Dear Ms. Chu:

This report describes quarterly ground water monitoring and remediation system activities conducted during the **First Quarter 2000**. 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.

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

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Trevor L. Atkinson
Project Engineer

Richard D. Munsch
Project Manager

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

REGISTERED PROFESSIONAL ENGINEER
STEVEN WHITTEN MEEKS
C 057461
Exp. 12/31/01
CIVIL
STATE OF CALIFORNIA

TLA (LRP020.936.DOC)
cc: Mr. Joe Aldridge – Ultramar Inc.
Mr. Steven Ritchie– CRWQCB, San Francisco Bay Region

STATUS OF GROUND WATER MONITORING

Delta Environmental Consultants, Inc. (Delta) has been authorized by Ultramar Inc. to perform quarterly ground water monitoring and remediation system oversight for the subject site. This report describes quarterly ground water monitoring and remediation system status for the First Quarter 2000.

Cumulative ground water sampling information is summarized in Tables 1. A site location map, site detail map, ground water elevation map and benzene concentration map are shown on Figures 1 through 4, respectively.

Work Performed during the First Quarter 2000:

- Performed ground water sampling on March 22, 2000

FIRST QUARTER 2000 GROUND WATER MONITORING RESULTS:

Monitoring Well	Date	Depth to Groundwater (feet)	Ground Water Elevation (ft amsl)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE [8260] (µg/L)
MW-1	03/22/00	13.96	29.71	2.8	<2.0	3.6	<2.0	<200	1,200
MW-2	03/22/00	13.05	30.04	<5.0	<5.0	<5.0	<5.0	<500	54,000
MW-3	03/22/00	13.21	29.89	180	47	46	100	1,500	80
MW-4	03/22/00	14.98	29.68	<0.5	<0.5	<0.5	<0.5	69	12,000
MW-5	03/22/00	13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-6	03/22/00	12.30	30.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-7	03/22/00	11.91	29.63	<0.5	<0.5	<0.5	<0.5	<50	18
MW-8	03/22/00	13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-9	03/22/00	15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-10	03/22/00	13.40	28.94	3.5	33	360	320	5,800	160
MW-11	03/22/00	16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100
RW-1	03/22/00	13.51	29.66	1.2	<0.5	<0.5	<0.5	<50	17

µg/L = micrograms per liter; NS = Not Sampled; ft amsl = feet above mean sea level

END OF SECTION

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly on a remediation system consisting of ground water treatment, soil vapor extraction (SVE) and air sparging components. Details of system performance and cumulative totals are tabulated in Tables 2 and 3. A process flow diagram showing details of the system is shown as Figure 5.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **First Quarter 2000** on:
  - **January 12, 24, 25 and 26, 2000**
  - **February 9 and 24, 2000**
  - **March 9 and 30, 2000**

Ground Water Extraction System Performance:

- The Ground Water Treatment System operated intermittently during the **First Quarter 2000**.
- During the **First Quarter 2000**, the ground water system processed **9,003** gallons. As of **March 30, 2000**, the ground water system has processed approximately **183,093** gallons.
- During the **March 30, 2000** site visit, the field technician discovered the system had been shut down at the breaker panel. The system piping had been damaged and tripped a switch. The ground water system will be restarted after repairs to the system are made.

Soil Vapor Extraction System Performance:

- The SVE system was operated intermittently during the **First Quarter 2000**.
- During the **First Quarter 2000**, the SVE system removed **Zero** pounds of vapor equivalent gasoline. As of **March 2, 2000**, the SVE system has removed approximately **11,127** pounds (**1,824** gallons) of vapor equivalent gasoline.
- The SVE system was restarted during the **January 24, 2000** site visit to determine vapor concentrations as required by the Bay Area Air Quality Management District.
- The SVE system was shut down on **January 26, 2000** due to suspected breakthrough in the vapor carbon columns. The system was restarted the first week of the second quarter.

Air Sparging System Performance:

- The Air Sparging system operated intermittently through the **First Quarter 2000**.
- The Air Sparging system was shut down on **January 26, 2000** and restarted after the SVE system was restarted during the first week of the second quarter.

END OF SECTION

CONCLUSIONS/RECOMMENDATIONS

The ground water treatment system will be repaired and restarted during the second quarter 2000. The SVE and air sparging systems will also be restarted during the second quarter 2000. Delta recommends continued operation of the remediation system along with continued quarterly monitoring.

Enclosures:

- Enclosure A: Site Background Information
- Enclosure B: Ground Water Sampling Information
- Enclosure C: Copy of Groundwater Sampling Frequency Letter
- Enclosure D: Ground Water Monitoring Analytical Results
- Enclosure E: Ground Water Treatment System Analytical Results

END OF SECTION

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. 12/6/99
FILE NO. 93-936-1A	PREPARED BY TLA
REVISION NO. 4	REVIEWED BY

Delta Environmental Consultants, Inc.

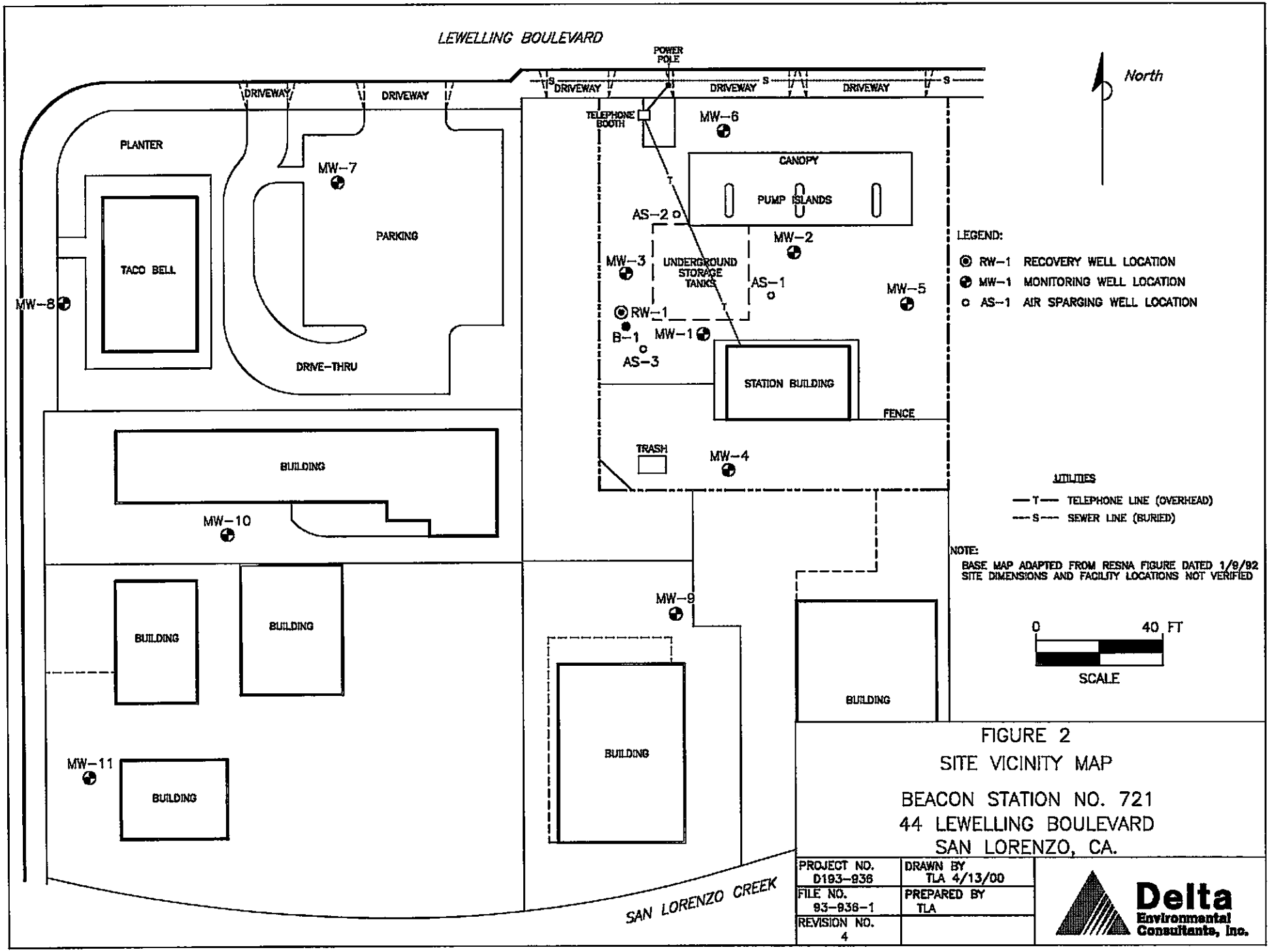

FIGURE 2
SITE VICINITY MAP

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

PROJECT NO. D193-936	DRAWN BY TLA 4/13/00
FILE NO. 93-936-1	PREPARED BY TLA
REVISION NO. 4	

Delta Environmental Consultants, Inc.

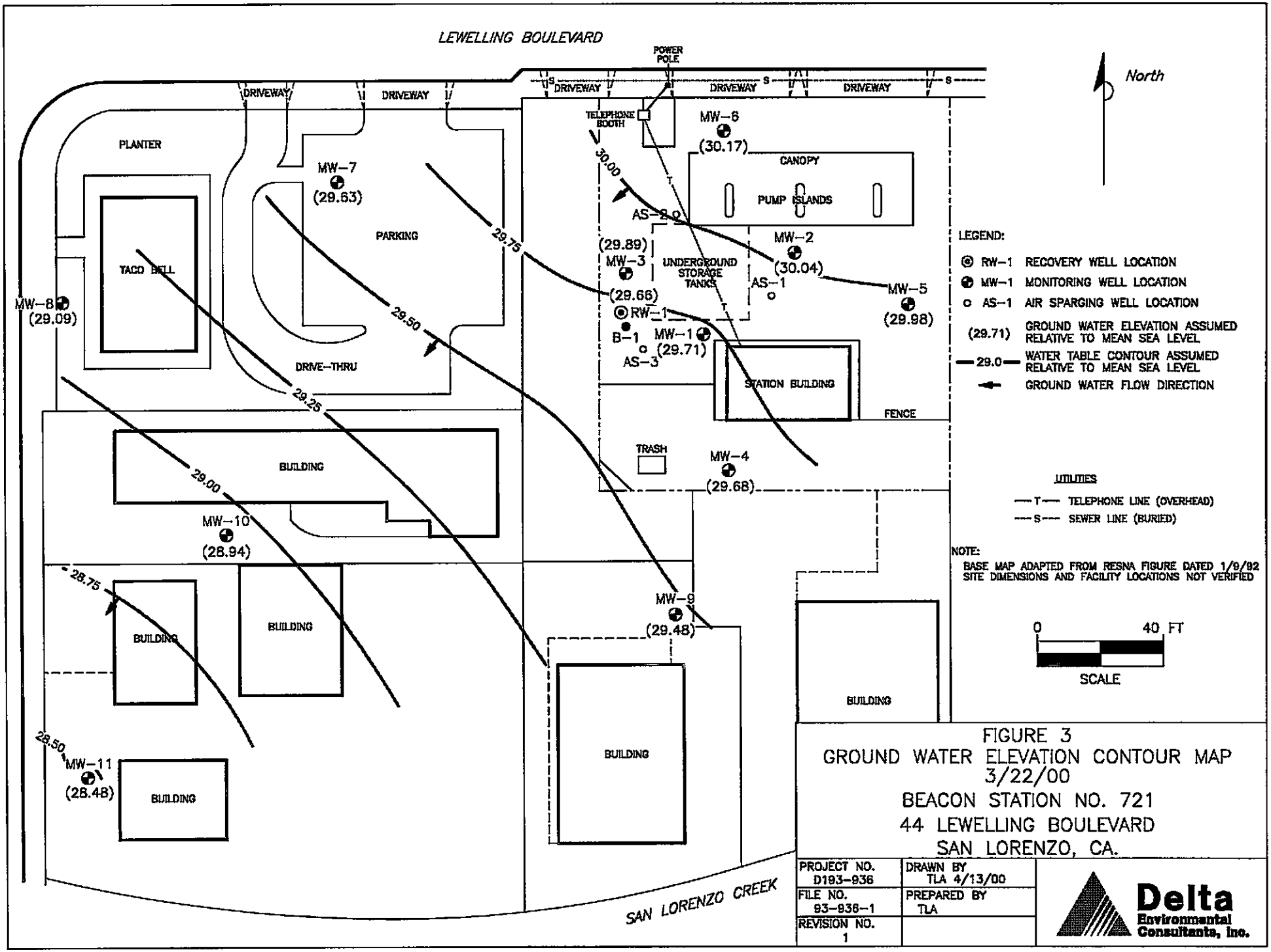

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP 3/22/00
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D193-936	DRAWN BY TLA 4/13/00
FILE NO. 93-936-1	PREPARED BY TLA
REVISION NO. 1	

Delta Environmental Consultants, Inc.

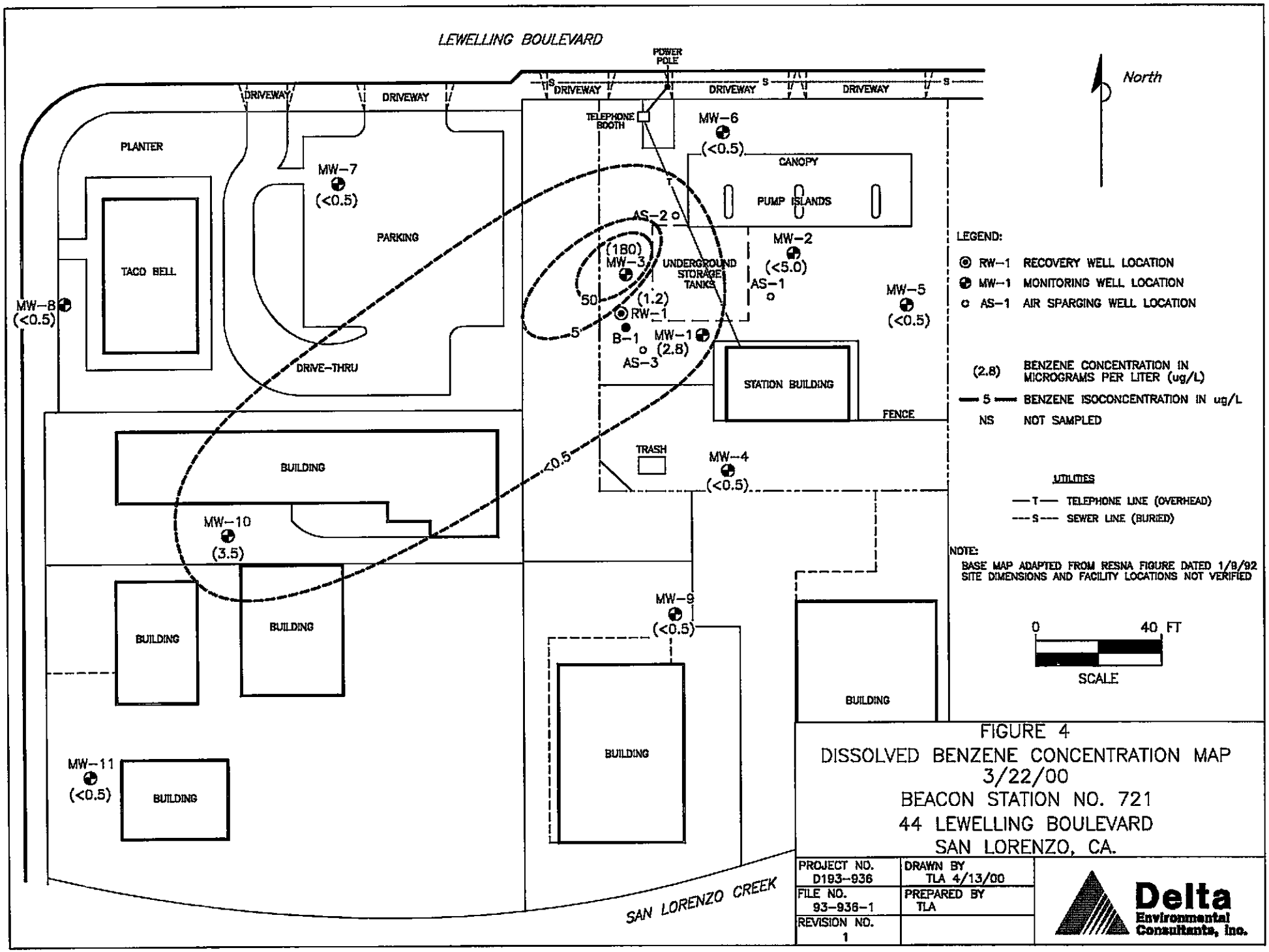

FIGURE 4

DISSOLVED BENZENE CONCENTRATION MAP
3/22/00
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D193-936	DRAWN BY TLA 4/13/00
FILE NO. 93-936-1	PREPARED BY TLA
REVISION NO. 1	

Delta Environmental Consultants, Inc.

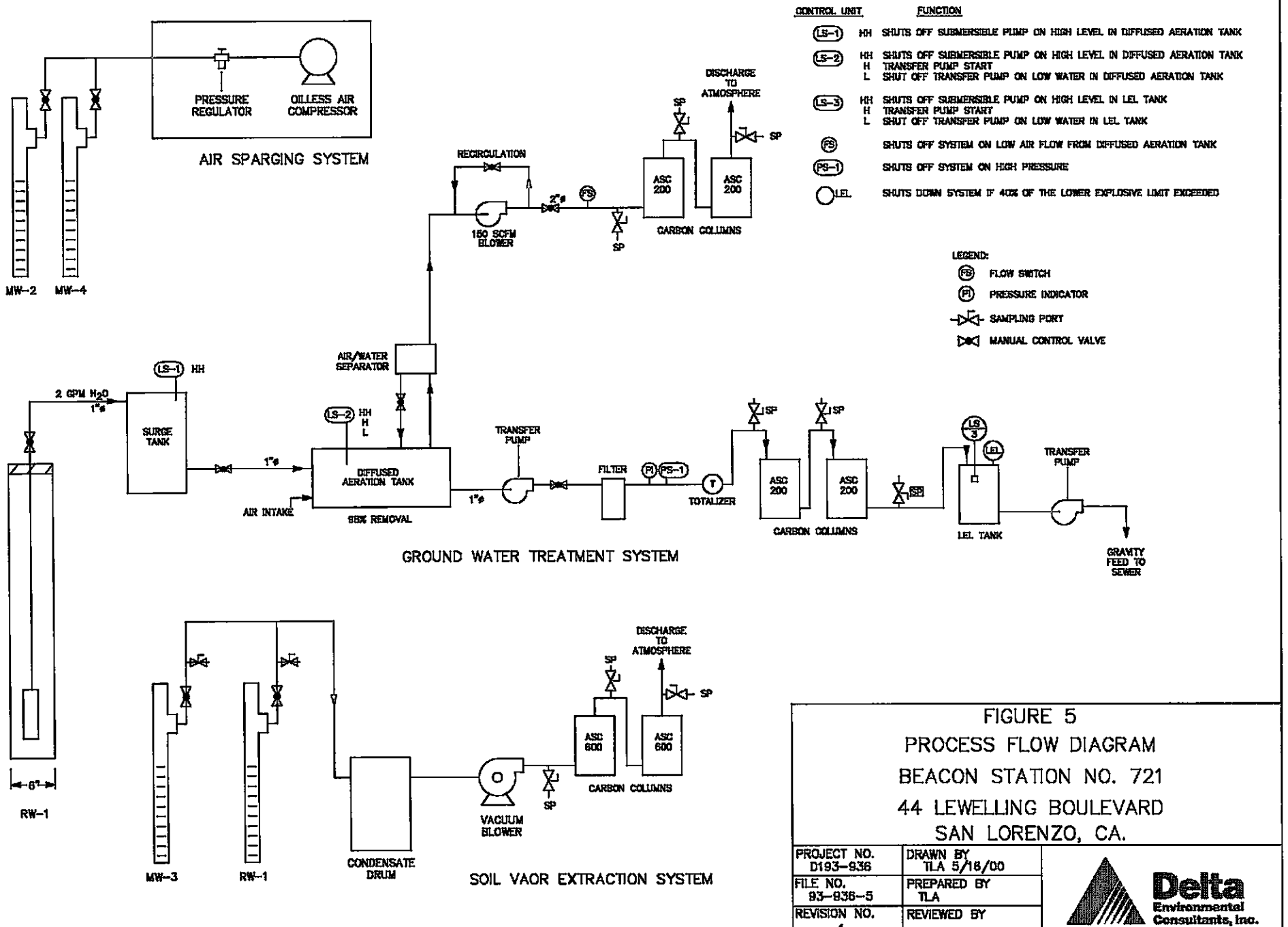

FIGURE 5
PROCESS FLOW DIAGRAM
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D193-936	DRAWN BY TLA 5/16/00
FILE NO. 93-936-5	PREPARED BY TLA
REVISION NO. 4	REVIEWED BY

Delta Environmental Consultants, Inc.

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

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

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

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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	02/18/99	43.09	14.07	29.02	<0.5	<0.5	<0.5	<0.5	<50	13,000	No free product or sheen
(Cont.)	06/24/99		14.70	28.39	<15	<0.5	<0.5	<0.5	180	39,000	No free product or sheen
	08/30/99		15.46	27.63	<25	<25	<25	<25	<2,500	18,000	No free product or sheen
	11/09/99		16.03	27.06	<5.0	<5.0	<5.0	<5.0	<500	14,000	No free product or sheen
	03/22/00		13.05	30.04	<5.0	<5.0	<5.0	<5.0	<500	54,000	No free product or sheen

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

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

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

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

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	02/18/99	43.79	14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		15.29	28.50	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		16.07	27.72	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		16.61	27.18	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen

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

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	11/17/98	42.47	14.53	27.94	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	02/18/99		12.39	30.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/24/99		13.89	28.58	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.75	27.72	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.18	27.29	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		12.30	30.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen

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	10	No free product or sheen
	03/12/96		11.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0[b]	No free product or sheen
	03/31/98		10.25	31.29	<0.5	<0.5	<0.5	1.3	<5.0	6	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	10	No free product or sheen
	08/19/98		13.08	28.46	<0.5	<0.5	<0.5	<0.5	<50	27	No free product or sheen
	11/17/98		13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 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	02/18/99	41.54	12.16	29.38	<0.5	<0.5	<0.5	<0.5	51	22	No free product or sheen
(Cont.)	06/24/99		13.35	28.19	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.23	27.31	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		14.60	26.94	<0.5	<0.5	<0.5	<0.5	<50	16	No free product or sheen
	03/22/00		11.91	29.63	<0.5	<0.5	<0.5	<0.5	<50	18	No free product or sheen

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-8	02/18/92	42.26	16.57	25.69	<0.5	<0.5	9.5	<0.5	1,200	NA	
	05/14/92		16.24	26.02	<0.5	<0.5	<0.5	<0.5	130	NA	
	08/27/92		18.28	23.98	<0.5	<0.5	<0.5	<0.5	140	NA	
	11/19/92		19.32	22.94	<0.5	<0.5	2.0	<0.5	320	NA	
	02/03/93		14.87	27.39	<0.5	<0.5	<0.5	<0.5	<50	NA	
	06/23/93		15.18	27.08	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	09/22/93		18.79	23.47	<0.5	0.67	<0.5	<0.5	<50	NA	No free product or sheen
	01/24/94		17.06	25.20	<0.5	<0.5	<0.5	<0.5	290	NA	
	04/07/94		15.95	26.31	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	06/07/94		15.10	27.16	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	09/28/94		17.63	24.63	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	12/14/94		16.66	25.60	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	03/15/95		14.30	27.96	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	06/13/95		14.37	27.89	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	09/28/95		15.62	26.64	NS	NS	NS	NS	NS	NA	No free product or sheen
	12/28/95		15.62	26.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	03/12/96		12.75	29.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/11/96		13.94	28.32	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	10/02/96		15.41	26.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	01/28/97		12.30	29.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	05/20/97		14.42	27.84	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	08/18/97		16.16	26.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5[b]	No free product or sheen
	03/31/98		11.49	30.77	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	05/26/98		12.60	29.66	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	08/19/98		14.15	28.11	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free Product or sheen
	11/17/98		14.98	27.28	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 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	02/18/99	42.26	13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		14.35	27.91	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		15.16	27.10	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.61	26.65	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen

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

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	02/18/99	44.94	15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		16.73	28.21	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		17.48	27.46	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.98	26.96	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen

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

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	08/19/98	42.34	14.27	28.07	95	160	1,300	1,700	14,000	<100	No free product or sheen
(Cont.)	11/17/98		15.08	27.26	82	64	590	150	7500	290	No free product or sheen
	02/18/99		13.61	28.73	41	16	270	79	4,700	<100	No free product or sheen
	06/24/99		14.50	27.84	27	74	280	160	9,400	300	No free product or sheen
	08/30/99		15.26	27.08	15	33	160	33	8,500	290	No free product or sheen
	11/09/99		15.72	26.62	3.9	11	60	14	7,600	120	No free product or sheen
	03/22/00		13.40	28.94	3.5	33	360	320	5,800	160	No free product or sheen

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

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	02/18/99	45.00	16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	No free product or sheen
(Cont.)	06/24/99		17.50	27.50	4.6	<0.5	0.66	<0.5	610	59	No free product or sheen
	08/30/99		18.19	26.81	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		18.64	26.36	0.87	<0.5	<0.5	<0.5	250	66	No free product or sheen
	03/22/00		16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100	No free product or sheen

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
	05/26/98		13.13	30.04	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	830	210	170	720	17,000	14,000	No free product or sheen
	08/19/98		14.70	28.47	20	<2.5	7.1	15	540	2,100	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 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	11/17/98	43.17	15.54	27.63	7.8	<2.5	5.6	<2.5	630	730	No free product or sheen
(cont)	02/18/99		13.75	29.42	6.7	1.6	3.2	15	180	100	No free product or sheen
	06/24/99		14.96	28.21	<0.5	<0.5	<0.5	<0.5	<50	42	No free product or sheen
	08/30/99		15.75	27.42	<0.5	<0.5	<0.5	<0.5	<50	79	No free product or sheen
	11/09/99		17.45	25.72	<0.5	<0.5	<0.5	<0.5	<50	78	No free product or sheen
	03/22/00		13.51	29.66	1.2	<0.5	<0.5	<0.5	<50	17	No free product or sheen

[a] Product is not typical gasoline.

[b] MTBE by EPA Method 8020/EPA Method 8260.

[c] Constiuents 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
12/29/99	174,090	6,845	1,228,252	0.13
01/12/00	176,691	2,601	1,230,853	0.13

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)
02/09/00	183,087	6,396	1,237,249	0.16
02/24/00	183,090	3	1,237,252	0.00
03/09/00	183,093	3	1,237,255	0.00

[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
Influent	12/16/99	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
DAT Effluent	12/16/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	12/16/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	12/16/99	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	8.27	<10	<5.0
Influent	01/12/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
DAT Effluent	01/12/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	01/12/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	01/12/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	7.92	<10	<5.0

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	02/09/00	<0.5	<0.5	<0.5	<0.5	<50	68	NA	NA	NA	NA	NA
DAT Effluent	02/09/00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Mid-Carbon	02/09/00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA	NA	NA
Effluent	02/09/00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	7.82	<10	<5.0
Influent	03/09/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
DAT Effluent	03/09/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Mid-Carbon	03/09/00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA	NA	NA
Effluent	03/09/00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	7.88	<10	<5.0

[a] Not typical gasoline.

[b] Arsenic

µg/L = Micrograms per liter.

mg/L = Milligrams per liter.

TPH = Total petroleum hydrocarbons.

MTBE = Methyl-tertiary butyl ether.

C.O.D. = Chemical oxygen demand.

T.S.S. = Total suspended solids.

HISTORICAL BACKGROUND INFORMATION

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

PRE - ULTRAMAR INC.

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

ULTRAMAR INC.

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

CONTINUED NEXT PAGE

ULTRAMAR INC. (continued)

- October 1997 - Drilled confirmation borings. Results indicate soil clean.
- June 1998 - The air sparging system was restarted.
- July 1999 - The ground water system was restarted.
- November 9, 1999 - Performed quarterly monitoring. Continued to operate the remediation system.

END OF SECTION

ENCLOSURE B

Ground Water Sampling Information

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 Lewelling Boulevard
San Lorenzo, CA
Sampled By: Hal Hansen (Doulos)

Site Name: **Beacon 721**
Delta Project No.: **D193-936**
Date: **03/22/00**

Water Level Data					Purge Volume Calculations					Sampling Analytes					Sample Record	
Well ID	Time	Depth to Water (feet)	Depth to Bottom (feet)	D.O. (mg/L)	Casing Water Column*	Well Diameter (inches)	Multiplier Value (**)	Three Casing Volumes (gallons)	Actual Water Purged (gallons)	BTEX (8020) VOA	TPH-g (8015M) VOA	MTBE (8020) VOA	TPHd (8015M) Amber	Other ___ ___ ___	Sample I.D.	Sample Time
MW-1	8:02	**13.96**	**33.6**	-	19.68	**2 inch**	**0.5**	9.8	12.5	☑	☑	☑	☐	☐	**MW-1**	
MW-2	7:58	**13.05**	**34.4**	-	21.30	**2 inch**	**0.5**	10.7	13.6	☑	☑	☑	☐	☐	**MW-2**	
MW-3	8:05	**13.21**	**34.2**	-	21.02	**2 inch**	**0.5**	10.5	13.4	☑	☑	☑	☐	☐	**MW-3**	
MW-4*	7:51	**14.98**	**24.5**	-	9.49	**2 inch**	**0.5**	4.7	6	☑	☑	☑	☐	☐	**MW-4**	
MW-5	7:54	**13.81**	**29.3**	-	15.50	**2 inch**	**0.5**	7.8	9.9	☑	☑	☑	☐	☐	**MW-5**	
MW-6	7:48	**12.30**	**28.4**	-	16.12	**2 inch**	**0.5**	8.1	10.3	☑	☑	☑	☐	☐	**MW-6**	
MW-7*	7:40	**11.91**	**24.2**	-	12.28	**2 inch**	**0.5**	6.1	7.8	☑	☑	☑	☐	☐	**MW-7**	
MW-8	7:37	**13.17**	**23.0**	-	9.78	**2 inch**	**0.5**	4.9	6.2	☑	☑	☑	☐	☐	**MW-8**	
MW-9	7:43	**15.46**	**23.6**	-	8.15	**2 inch**	**0.5**	4.1	5.2	☑	☑	☑	☐	☐	**MW-9**	
MW-10	7:34	**13.40**	**29.4**	-	16.01	**2 inch**	**0.5**	8.0	10.2	☑	☑	☑	☐	☐	**MW-10**	
MW-11*	7:30	**16.52**	**29.4**	-	12.83	**2 inch**	**0.5**	6.4	8.2	☑	☑	☑	☐	☐	**MW-11**	
RW-1	8:10	**13.51**	**34.1**	-	20.60	**6 inch**	**4.4**	90.6	30.3	☑	☑	☑	☐	☐	**RW-1**	
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		
										☐	☐	☐	☐	☐		

Purge Method: ☐ Pump ☐ Bailer ☐ Sample Port

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

****Multiplier Values:** (2" Well: 0.5) (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

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 Lewelling Boulevard
San Lorenzo, CA
Sampled By: Hal Hansen (Doulos)

Site Name: Beacon 721
Delta Project No.: D193-936
Date: 03/22/00

Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-1	11:21	65.0	7.18	1,031	1	**MW-8**	8:51	64.1	7.18	850	1						
	11:22	65.3	7.14	1,010	2		8:52	64.9	7.16	849	2						
	11:23	65.8	7.11	998	3		8:53	65.2	7.12	846	3						
	11:24	65.9	7.06	991	4		8:55	65.3	7.10	841	4						
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-2	11:03	66.3	7.14	1,051	1	**MW-9**	9:31	65.1	7.30	1,240	1						
	11:04	65.0	7.11	1,040	2		9:32	65.3	7.26	1,210	2						
	11:05	65.2	7.09	1,035	3		9:33	65.8	7.24	1,199	3						
	11:06	65.4	7.08	1,030	4		9:35	65.9	7.20	1,198	4						
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-3	11:52	64.1	7.16	1,140	1	**MW-10**	8:31	65.1	7.18	1,016	1						
	11:53	64.6	7.14	1,110	2		8:32	65.2	7.14	1,012	2						
	11:54	65.3	7.12	1,099	3		8:33	66.0	7.10	999	3						
	11:55	65.4	7.11	1,098	4		8:35	66.9	7.03	998	4						
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-4	10:21	63.9	7.20	1,010	1	**MW-11**	8:16	66.3	7.31	1,098	1						
	10:22	63.4	7.14	999	2		8:17	66.5	7.25	1,090	2						
	10:23	64.1	7.10	996	3		8:18	66.8	7.18	1,036	3						
	10:24	64.2	7.06	993	4		8:19	67.1	7.16	1,035	4						
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-5	10:43	65.3	7.28	1,240	1	**RW-1**	12:22	64.7	998.00	7	1						
	10:44	65.4	7.21	1,210	2												
	10:45	66.1	7.18	1,199	3												
	10:46	66.7	7.16	1,198	4												
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-6	9:52	64.7	7.31	1,100	1												
	9:53	64.9	7.23	1,058	2												
	9:55	65.1	7.20	1,040	3												
	9:56	65.3	7.18	1,035	4												
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Gallons
MW-7	9:10	63.8	7.19	1,010	1												
	9:11	63.7	7.11	996	2												
	9:12	63.9	7.08	990	3												
	9:13	64.6	7.04	988	4												

ENCLOSURE C

Copy of Groundwater Sampling Frequency Letter

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

RECEIVED
JAN 2 5 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

ENCLOSURE D

Ground Water Monitoring
Analytical Results

KIFF ANALYTICAL LLC

Report Number : 16321
Date : 4/10/00

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

Subject : 12 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

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 16321
Date : 4/10/00

Subject : 12 Water Samples
Project Name : Beacon 721
Project Number :

Case Narrative

For the following samples the hydrocarbon patterns do not match those of typical Gasoline :

MW-11

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

Sample : **MW-1** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2.8**	2.0	ug/L	EPA 8260B	4/4/00
Toluene	**< 2.0**	2.0	ug/L	EPA 8260B	4/4/00
Ethylbenzene	**3.6**	2.0	ug/L	EPA 8260B	4/4/00
Total Xylenes	**< 2.0**	2.0	ug/L	EPA 8260B	4/4/00
Methyl-t-butyl ether	**1200**	20	ug/L	EPA 8260B	4/4/00
TPH as Gasoline	**< 200**	200	ug/L	EPA 8260B	4/4/00
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/4/00
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	4/4/00

Sample : **MW-2** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 5.0**	5.0	ug/L	EPA 8260B	4/2/00
Toluene	**< 5.0**	5.0	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**< 5.0**	5.0	ug/L	EPA 8260B	4/2/00
Total Xylenes	**< 5.0**	5.0	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**54000**	2000	ug/L	EPA 8260B	4/3/00
TPH as Gasoline	**< 500**	500	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	4/2/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**180**	0.50	ug/L	EPA 8260B	4/2/00
Toluene	**47**	0.50	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**46**	0.50	ug/L	EPA 8260B	4/2/00
Total Xylenes	**100**	0.50	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**80**	5.0	ug/L	EPA 8260B	4/2/00
TPH as Gasoline	**1500**	50	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	4/2/00

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**12000**	200	ug/L	EPA 8260B	4/3/00
TPH as Gasoline	**69**	50	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	4/2/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8260B	3/31/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/31/00
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	3/31/00
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/31/00

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8260B	4/1/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/1/00
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	4/1/00
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	4/1/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/3/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/3/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/3/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/3/00
Methyl-t-butyl ether	**18**	5.0	ug/L	EPA 8260B	4/3/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/3/00
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	4/3/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	4/3/00

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

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/31/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8260B	3/31/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/31/00
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	3/31/00
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/31/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

Sample : **MW-9** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/1/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8260B	4/1/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/1/00
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/1/00
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	4/1/00

Sample : **MW-10** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3.5**	2.0	ug/L	EPA 8260B	4/2/00
Toluene	**33**	2.0	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**360**	2.0	ug/L	EPA 8260B	4/2/00
Total Xylenes	**320**	2.0	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**160**	20	ug/L	EPA 8260B	4/2/00
TPH as Gasoline	**5800**	200	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	4/2/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16321

Date : 4/10/00

Project Name : **Beacon 721**

Project Number :

Sample : **MW-11** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**100**	5.0	ug/L	EPA 8260B	4/2/00
TPH as Gasoline	**330**	50	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	4/2/00

Sample : **RW-1** Matrix : Water

Sample Date :3/22/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.2**	0.50	ug/L	EPA 8260B	4/2/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/2/00
Methyl-t-butyl ether	**17**	5.0	ug/L	EPA 8260B	4/2/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/2/00
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/2/00
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	4/2/00

Approved By: Joel Kiff

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

Ultramar Inc.
CHAIN OF CUSTODY REPORT 16321

BEACON

Beacon Station No.	Sampler (Print Name)	ANALYSES	Date	Form No.
721	Edgar Alvarez		3-22-00	1 of 2
Project No.	Sampler (Signature)			
721				STANDARD TAT
Project Location	Affiliation			
SAN LORENZO	DOUCOS			

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW - 1	3-22-00	11:31	-01	X	X		3	
MW - 2		11:14	-02					
MW - 3		12:08	-03					
MW - 4		10:38	-04					
MW - 5		10:51	-05					
MW - 6		10:11	-06					
MW - 7		9:17	-07					
MW - 8		9:02	-08					

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
DOUCOS					
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			[illegible]	3/21/00	1550

Report To:

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: JOE ACARIDE

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

324-0003 1/90

Ultramar Inc.
CHAIN OF CUSTODY REPORT

16321

BEACON

Beacon Station No.	Sampler (Print Name)	ANALYSES	Date	Form No.
721	Edgar Olmeda		3-22-00	1 of 2
Project No.	**Sampler (Signature)**			STANDARD TAT
721				
Project Location	**Affiliation**			
STA LORENZO	OOULOS			

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW-9	3-22-00	9:42	-09	X	X		3	
MW-10	"	8:42	-10	"	"		"	
MW-11	"	8:23	-11	"	"		"	
RW-1	"	12:32	-12	"	"		"	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
OOULOS					
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			Angus Kiff	3/27/00	1550

Report To:

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: JOE ALDRIDGE

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 : 15788
Date : 01/19/2000

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

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

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15788

Date : 01/19/2000

Project Name : **Beacon 721**

Project Number :

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

Sample Date :01/12/2000

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	01/13/2000
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	01/13/2000
aaa-Trifluorotoluene (Gasoline Surrogate)	94.7		% Recovery	M EPA 8015	01/13/2000

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

Sample Date :01/12/2000

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	01/13/2000
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	01/13/2000
aaa-Trifluorotoluene (Gasoline Surrogate)	95.5		% Recovery	M EPA 8015	01/13/2000

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 15788

Date : 01/19/2000

Project Name : **Beacon 721**

Project Number :

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

Sample Date :01/12/2000

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	01/13/2000
aaa-Trifluorotoluene (8020 Surrogate)	105		% Recovery	EPA 8020	01/13/2000
aaa-Trifluorotoluene (Gasoline Surrogate)	94.4		% Recovery	M EPA 8015	01/13/2000

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

Sample Date :01/12/2000

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	01/13/2000
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	01/13/2000
aaa-Trifluorotoluene (8020 Surrogate)	106		% Recovery	EPA 8020	01/13/2000
aaa-Trifluorotoluene (Gasoline Surrogate)	94.5		% Recovery	M EPA 8015	01/13/2000

Approved By: Joel Kiff

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

CLS Labs

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

01/20/2000

Attention: JOEL KIFF

Reference: Analytical Results

Project Name: B721
Project No.:
Date Received: 01/12/2000
Chain Of Custody: NO NUMBER

CLS ID No.: R6946
CLS Job No.: 826946

The following analyses were performed on the above referenced project:

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

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

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

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

Sincerely,

James Liang, Ph.D.
Laboratory Director

CLS Labs

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

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

Project: **Beacon #721**

Date Sampled: **01/12/2000**
Date Received: **01/12/2000**
Date Extracted: **N/A**
Date Analyzed: **01/17/2000**
Date Reported: **01/21/2000**

Project No.:
Contact: **JOEL KIFF**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R6946**
Job No.: **826946**
COC Log No.: **NO NUMBER**
Batch No.: **WY2K0112W**
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: Beacon #721

Date Sampled: 01/12/2000
Date Received: 01/12/2000
Date Extracted: N/A
Date Analyzed: 01/12/2000
Date Reported: 01/21/2000

Project No.:
Contact: JOEL KIFF
Phone: (530)297-4800

Lab Contact: James Liang
Lab ID No.: R6946
Job No.: 826946
COC Log No.: NO NUMBER
Batch No.: WY2K0112W
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	7.92

CA DOHS ELAP Accreditation/Registration Number 1233

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: 01/12/2000
Date Received: 01/12/2000
Date Extracted: N/A
Date Analyzed: 01/13/2000
Date Reported: 01/21/2000

Project No.:
Contact: JOEL KIFF
Phone: (530)297-4800

Lab Contact: James Liang
Lab ID No.: R6946
Job No.: 826946
COC Log No.: NO NUMBER
Batch No.: WY2K0112W
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

KIFF ANALYTICAL LLC

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

Lab No. R16946 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Joel Kiff	Phone No.: (530) 297-4860
Company/Address: Kiff Analytical 720 Olive Dr Ste D, Davis	FAX No.:
Project Number:	P.O. No.:
Project Name: B721	
Project Location: San Lorenzo	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	pH, COD, S.S.				TAT: 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	For Lab Use Only
W - Effl	1-12-00	1312					X			X		W														X				X	

Relinquished by: Mary Benzinger	Date 011200	Time 1847	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 1-12-00	Time 1845	Received by Laboratory:

Remarks:

Email address:
☐ .doc ☐ .xls ☐ .txt ☐ other

Bill to:

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

COC.fh8 (9/98)

Ultramar Inc.

CHAIN OF CUSTODY REPORT

BEACON

15788

Beacon Station No.	Sampler (Print Name)	ANALYSES								Date	Form No.
721	Charles E. Parker									1-12-00	1 of 1
Project No.	**Sampler (Signature)**									Normal Turnaround	
Project Location San Lorenzo, CA.	**Affiliation** WSP	BTEX	TPH (gasoline)	TPH (diesel)	BH, COD, S.S.				No. of Containers		
Sample No./Identification	**Date**	**Time**	**Lab No.**							**REMARKS**	
W-Inf.	1-12-00	1300	-01	✓	✓				2		
W-DAFS Effl	1-12-00	1305	-02	✓	✓				2		
W-Carb. Mid. Pl.	1-12-00	1307	-03	✓	✓				2		
W-Effl.	1-12-00	1312	-04	✓	✓	✓			3		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
WSP	1/12/00	1430			
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 Benzinger Kiff Analytical	1/14/00	1430

Report To: Richard Munsch
Delta Environmental

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Joe Aldridge

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

52-8003 1/90

KIFF ANALYTICAL LLC

Report Number : 15986
Date : 2/16/00

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

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

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 15986

Date : 2/16/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :2/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Methyl-t-butyl ether	**68**	5.0	ug/L	EPA 8020	2/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	2/10/00
aaa-Trifluorotoluene (8020 Surrogate)	96.7		% Recovery	EPA 8020	2/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	94.2		% Recovery	M EPA 8015	2/10/00

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

Sample Date :2/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	2/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	2/10/00
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	2/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	97.1		% Recovery	M EPA 8015	2/10/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 15986

Date : 2/16/00

Project Name : **Beacon 721**

Project Number :

Sample : **W-Mid Carbon** Matrix : Water

Sample Date :2/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	2/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	2/10/00
aaa-Trifluorotoluene (8020 Surrogate)	95.6		% Recovery	EPA 8020	2/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	90.2		% Recovery	M EPA 8015	2/10/00

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

Sample Date :2/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	2/10/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	2/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	2/10/00
aaa-Trifluorotoluene (8020 Surrogate)	99.4		% Recovery	EPA 8020	2/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	94.4		% Recovery	M EPA 8015	2/10/00

Approved By: Joel Kiff

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

CLS Labs

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

02/16/2000

Attention: **JOEL KIFF**

Reference: **Analytical Results**

Project Name: **BEACON 700**
Project No.:
Date Received: **02/09/2000**
Chain Of Custody: **15985**

CLS ID No.: **R7490**
CLS Job No.: **827490**

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description*
1	5 Days	Copper by EPA Method 200.7
1	5 Days	Zinc by EPA Method 200.7
1	5 Days	Lead by EPA 200.8

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

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

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

Sincerely,

James Liang, Ph.D.
Laboratory Director

CLS Labs

Analysis Report: **Copper, EPA Method 200.7**

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

Project: **BEACON 700**

Date Sampled: **02/08/00**
Date Received: **02/09/00**
Date Extracted: **02/10/00**
Date Analyzed: **02/10/00**
Date Reported: **02/11/00**

Project No.:
Contact: **JOEL KIFF**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R7490**
Job No.: **827490**
COC Log No.: **15985**
Batch No.: **M2K0210B**
Instrument ID: **IP004**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
1A / W-Effl. Cu (Copper)	7440-50-8	ND	20	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: **Zinc, EPA Method 200.7**

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

Project: **BEACON 700**

Date Sampled: **02/08/00**
Date Received: **02/09/00**
Date Extracted: **02/10/00**
Date Analyzed: **02/10/00**
Date Reported: **02/11/00**

Project No.:
Contact: **JOEL KIFF**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R7490**
Job No.: **827490**
COC Log No.: **15985**
Batch No.: **M2K0210B**
Instrument ID: **IP004**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
1A / W-Effl. Zn (Zinc)	7440-66-6	74	50	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: **Lead, EPA Method 200.8**

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

Project: **BEACON 700**

Date Sampled: **02/08/00**
Date Received: **02/09/00**
Date Extracted: **02/10/00**
Date Analyzed: **02/10/00**
Date Reported: **02/11/00**

Project No.:
Contact: **JOEL KIFF**
Phone: **(530)297-4800**

Lab Contact: **James Liang**
Lab ID No.: **R7490**
Job No.: **827490**
COC Log No.: **15985**
Batch No.: **M2K0210B**
Instrument ID: **ICPMS**
Analyst ID: **PONGC**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
1A / **W-Effl.** Pb (Lead)	7439-92-1	ND	5.0	1.0

ND = Not detected at or above indicated Reporting Limit

15985

R7490

KIFF ANALYTICAL SUBCONTRACT FORM

Please mail results to :

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

Please fax to :

530-297-4803

Subcontract Lab: **CLS Labs**
3249 Fitzgerald Rd.
Rancho, Cordova, CA 95742

916-638-7301

Account No. :

PROJECT NAME : Beacon 700
PROJECT NUMBER:

Sample	Matrix	Sampled	Tests	Due	Container
W-Effl.	WA	02/08/2000	Zinc	02/16/2000	
W-Effl.	WA	02/08/2000	Copper	02/16/2000	
W-Effl.	WA	02/08/2000	Lead by GFAA	02/16/2000	

Relinquished by : Mary Corbit Date/Time: 020900/1647 Received by: [signature]

Relinquished by : ____________ Date/Time: ____________ Received by: ____________

Relinquished by : ____________ Date/Time: ____________ Received by: ____________

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

15985

Beacon Station No.	Sampler (Print Name)	ANALYSES	Date	Form No.
700	Charles E. Parker		2-8-00	1 of 1
Project No.	Sampler (Signature)			
—			Normal Turnaround	
Project Location: Cotati, CA	Affiliation: USTS			

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	Oxygenates, Lead	No. of Containers	REMARKS
W-Inf.	2-8-00	1615	-01	✓				2	
W-Eff.	2-8-00	1620	-02	✓		✓		3	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
USTS	2/9/00	1320	Accu Labs	2/9/00	1320
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	2/9/00	1520			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			KIFF	2/9/00	1521

Report To: Richard Munsch
DeltaEnvironmental

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Joe Aldridge

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

32-0003 1/00

KIFF ANALYTICAL LLC

Report Number : 16165
Date : 3/15/00

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

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

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 16165

Date : 3/15/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :3/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Methyl-t-butyl ether	**< 5.0**	5.0	ug/L	EPA 8020	3/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	3/10/00
aaa-Trifluorotoluene (8020 Surrogate)	109		% Recovery	EPA 8020	3/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	92.7		% Recovery	M EPA 8015	3/10/00

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

Sample Date :3/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	3/10/00
aaa-Trifluorotoluene (8020 Surrogate)	116		% Recovery	EPA 8020	3/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	93.6		% Recovery	M EPA 8015	3/10/00

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 16165

Date : 3/15/00

Project Name : **Beacon 721**

Project Number :

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

Sample Date :3/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	3/10/00
aaa-Trifluorotoluene (8020 Surrogate)	107		% Recovery	EPA 8020	3/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	93.1		% Recovery	M EPA 8015	3/10/00

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

Sample Date :3/9/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	3/10/00
TPH as Gasoline	**< 50**	50	ug/L	M EPA 8015	3/10/00
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	3/10/00
aaa-Trifluorotoluene (Gasoline Surrogate)	90.6		% Recovery	M EPA 8015	3/10/00

Approved By: Joel Kiff

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

CLS Labs

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

03/15/2000

Attention: **Joel Kiff**

Reference: **Analytical Results**

Project Name: **Beacon 721**
Project No.:
Date Received: **03/09/2000**
Chain Of Custody: **16165**

CLS ID No.: **R8076**
CLS Job No.: **828076**

The following analyses were performed on the above referenced project:

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

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

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

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

Sincerely,

James Liang, Ph.D.
Laboratory Director

CLS Labs

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

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

Project: **Beacon 721**

Date Sampled: **03/09/2000**
Date Received: **03/09/2000**
Date Extracted: **N/A**
Date Analyzed: **03/14/2000**
Date Reported: **03/15/2000**

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

Lab Contact: **James Liang**
Lab ID No.: **R8076**
Job No.: **828076**
COC Log No.: **16165**
Batch No.: **WY2K0310B**
Instrument ID: **BA005**
Analyst ID: **PONGC**
Matrix: **WA**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / 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: **Beacon 721**

Date Sampled: **03/09/2000**
Date Received: **03/09/2000**
Date Extracted: **N/A**
Date Analyzed: **03/13/2000**
Date Reported: **03/15/2000**

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

Lab Contact: **James Liang**
Lab ID No.: **R8076**
Job No.: **828076**
COC Log No.: **16165**
Batch No.: **WY2K0310B**
Instrument ID: **UV002**
Analyst ID: **PONGC**
Matrix: **WA**

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: **Beacon 721**

Date Sampled: **03/09/2000**
Date Received: **03/09/2000**
Date Extracted: **N/A**
Date Analyzed: **03/10/2000**
Date Reported: **03/15/2000**

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

Lab Contact: **James Liang**
Lab ID No.: **R8076**
Job No.: **828076**
COC Log No.: **16165**
Batch No.: **WY2K0310B**
Instrument ID: **PH002**
Analyst ID: **PONGC**
Matrix: **WA**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Value (Standard Units)
1A / W-Effl. pH	N/A	7.88

K8046

16165

KIFF ANALYTICAL SUBCONTRACT FORM

Please mail results to :

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

Please fax to :

530-297-4803

Subcontract Lab: **CLS Labs**
3249 Fitzgerald Rd.
Rancho, Cordova, CA 95742

916-638-7301

Account No. :

PROJECT NAME : Beacon 721

PROJECT NUMBER:

Sample	Matrix	Sampled	Tests	Due	Container
W-Effl.	WA	3/9/00	Chemical Oxygen Demand	3/16/00	
W-Effl.	WA	3/9/00	pH	3/16/00	
W-Effl.	WA	3/9/00	Total Suspended Solids	3/16/00	

Relinquished by : Agnes Kiff Date/Time: 3/9/00 1815 Received by: [signature]

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

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

Ultramar Inc.
CHAIN OF CUSTODY REPORT

CEA 030900/1925
~~16165~~
16165

BEACON

Beacon Station No.	Sampler (Print Name)			ANALYSES							Date	Form No.
721	Charles E. Carter										3-9-00	1 of 2
Project No.	Sampler (Signature)											
Project Location: San Lorenzo, CA	Affiliation: WSI S			BTEX	TPH (gasoline)	TPH (diesel)	MTBE	pH, conductivity, TDS		No. of Containers	Normal Turnaround	
Sample No./Identification	Date	Time	Lab No.								REMARKS	
W - Effl	3-9-00	1415		✓		✓				3	-01	
W - Carb. Mid Pt.	3-9-00	1400		✓						2	-02	
W - DAT 3 Effl.	3-9-00	1403		✓						2	-03	
W - Inf	3-9-00	1408		✓						2	-04	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
WSI	3/9/00	1420			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			Apex / Kiff	3/9/00	1420

Report To: Richard Munch
Delta Environmental

Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention: Joe Aldridge

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

32-9003 1/90