ENVIRONMENTAL PROTECTION

97 APR -3 PM 3:22

Ultramar

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

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

March 25, 1997

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

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

Dear Ms. Leach:

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

Based on decreasing influent concentrations and overall decreasing hydrocarbon concentrations in the monitoring wells, Ultramar believes that operation of the remediation system is no longer cost effective. Consequently, Ultramar has turned off the system.

Please call if you have any questions regarding this project.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Review + approval is needed ASAP

Enclosures

cc w/encl: Mr. Steven Ritchie, San Francisco Bay Region, RWQCB

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: March 25, 1997
QUARTER ENDING: March 31, 1997

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

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

BACKGROUND:

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

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

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

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

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

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

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

In December 1995, installed an air sparging system.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on January 28, 1997.

Discontinued to operate the remediation system.

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that measurable free product was not detected in any well. Benzene concentrations remained not detected in wells MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-11. The benzene concentration decreased in MW-1 from 16 ppb to not detected, in MW-10 from 18 ppb to 5.9, and in RW-1 from 68 ppb to 0.77. MW-3 was not sampled this quarter.

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.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY	ESTIMATED COMPLETION DATE
Continue quarterly ground-water monitoring.	Ongoing
Evaluate the site for RBCA.	

Delta
Environmental
Consultants, Inc.

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

March 20, 1997

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

Subject: *Quarterly Ground Water Monitoring Report and Status of Remediation System, First Quarter 1997*
Beacon Station No. 721
44 Lewelling Boulevard
San Lorenzo, California
Delta Project No. D093-936

Dear Mr. Fox:

Delta Environmental Consultants, Inc. (Delta), has been authorized by Ultramar Inc. to conduct quarterly ground water monitoring and perform remedial actions at the above-referenced site. The monitoring is intended to evaluate the distribution of dissolved petroleum hydrocarbon constituents in ground water in the vicinity of the site and evaluate the effectiveness of remediation. This letter report summarizes the results of ground water monitoring activities performed at the site on January 28, 1997, and the remediation system status through January 22, 1997. The site location is shown in Figure 1 and site features are illustrated in Figure 2.

Ground water monitoring included measurement of depth to ground water, subjective analyses of water samples to evaluate the presence or absence of free petroleum product or product sheen in the monitoring wells, and collection of ground water samples for chemical analysis in monitoring wells MW-1 through MW-11 and recovery well RW-1. Delta was unable to collect a sample from monitoring well MW-3, due to the well being dry. Methods used to perform these tasks are described in Enclosure A.

Ground Water Table Measurements and Flow Direction

Depth to ground water was measured in all of the wells at depths ranging from 11.08 (MW-7) to 15.69 (MW-10) feet below the tops of well casings. Ground water monitoring well MW-3 was dry. Ground water elevations have increased an average of approximately 3.3 feet since the previous quarterly event in October 1996. Cumulative ground water table measurements at the site are compiled in Table 1. Based on the ground water table measurements, the inferred ground water flow is toward the southwest with a gradient of approximately 0.02. The ground water recovery system was not operating during this monitoring event. A ground water table contour map prepared from the current event data is included as Figure 3.

Ground Water Analytical Results

Ground water samples were collected from all of the monitoring wells, with the exception of MW-3. The ground water samples were submitted to Western Environmental Science and Technology (West laboratory) of Davis, California, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) using EPA Method 602/5030, and total petroleum hydrocarbons (TPH) as gasoline using EPA Method 8015 Modified. Copies of the sampling information data sheets are included in Enclosure B.

Benzene was not detected at or above the laboratory detection limit in ground water samples collected from MW-1, MW-2, MW-4 through MW-9, and MW-11. Benzene was only reported in the ground water samples collected from monitoring wells MW-10 and recovery well RW-1 at concentrations of 5.9 and 0.77 micrograms per liter (µg/L), respectively. Using the January 1997 ground water analytical data, a benzene isoconcentration contour map was constructed and is included as Figure 4. Cumulative ground water analytical results for TPH as gasoline, BTEX, and MTBE are summarized in Table 2. A copy of the certified analytical report with chain of custody documentation is provided in Enclosure C.

Status of Remediation System

Delta has performed operation and maintenance of the ground water treatment and soil vapor extraction (SVE) system at the site since April 1993, and of the air sparging system since December 1995. The ground water treatment system pumps ground water from RW-1 and is designed to remove petroleum hydrocarbon constituents through treatment in an air stripper. Treated ground water is discharged to the Oro Loma Sanitary Sewer District (Permit No. 018). The SVE system removes soil vapors under vacuum from MW-3 and RW-1. The soil vapors are then abated by two vapor phase granular activated carbon columns placed in series. An air sparging system was installed by Delta at the site in December 1995. Air is sparged into the ground water through wells AS-1 through AS-3 shown on Figure 2. The purpose of the air sparging system is to increase the ground water's dissolved oxygen content which, in turn, is anticipated to increase the rate of indigenous biodegradation of petroleum hydrocarbons in the ground water. It is further anticipated that air sparging will aid in the volatilization of dissolved petroleum hydrocarbons in the ground water.

The ground water recovery system has not been in operation since the first week of October 1996. As of October 22, 1996, the ground water remediation system had discharged approximately 1,184,392 gallons of treated ground water to the sewer. Cumulative totals for ground water treated and discharged to the sewer are presented in Table 3. The SVE and air sparging systems were shut down on January 22, 1997, because it appears that systems had reached asymptotic levels of clean-up, and were no longer providing a cost effective method of remediation. As of January 22, 1997, the data indicated that the SVE system had removed approximately 103.3 gallons of vapor equivalent gasoline from soil underlying the site.

Ground Water Remediation System Analytical Results

Ground water remediation system samples have not been collected since September 18, 1996, because the system has not been in operation. The analytical results for BTEX and TPH as gasoline up to September 18, 1996, are summarized in Table 4.

Remarks\Signatures

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

It is recommended that copies of this document be forwarded to:

Mr. Steven Ritchie
California Regional Water Quality
Control Board, Region 2
2101 Webster Street
Oakland, California 94612

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

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

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Michael A. Berrington
Project Geologist

Owen M. Kittredge, R.G.
Project Manager
California Registered Geologist No. 5853

MAB (LRP004.936)
Enclosures

TABLE 1

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-1	02/18/92	43.67	16.42	27.25	
	05/14/92		17.28	26.39	
	08/27/92		19.48	24.19	
	11/19/92		20.57	23.10	
	02/03/93		15.91	27.76	
	06/23/93		16.21	27.46	No free product or sheen
	09/22/93		17.85	25.82	No free product or sheen
	01/24/94		17.91	25.76	
	04/07/94		16.94	26.73	No free product or sheen
	06/07/94		17.20	26.47	No free product or sheen
	09/28/94		18.73	24.94	No free product or sheen
	12/14/94		17.56	26.11	Product sheen
	03/15/95		14.92	28.75	Product sheen
	06/13/95		15.38	28.29	No free product or sheen
	09/28/95		16.75	26.92	No free product or sheen
	12/28/95		17.28	26.39	No free product or sheen
	03/12/96		14.13	29.54	No free product or sheen
	06/11/96		14.90	28.77	No free product or sheen
	10/02/96		16.31	27.36	No free product or sheen
	01/28//97		12.99	30.68	No free product or sheen
MW-2	02/18/92	43.09	16.65	26.44	
	05/14/92		16.64	26.45	
	08/27/92		16.61	26.28	
	11/19/92		19.91	23.18	
	02/03/93		15.23	27.86	
	06/23/93		15.55	27.54	No free product or sheen
	09/22/93		17.22	25.87	No free product or sheen
	01/24/94		17.20	25.89	
	04/07/94		16.26	26.83	No free product or sheen
	06/07/94		16.46	26.63	No free product or sheen
	09/28/94		18.06	25.03	No free product or sheen
	12/14/94		16.86	26.23	No free product or sheen
	03/15/95		14.08	29.01	No free product or sheen
	06/13/95		14.67	28.42	No free product or sheen
	09/28/95		16.07	27.02	No free product or sheen
	12/28/95		16.46	26.63	No free product or sheen
	03/12/96		13.11	29.98	No free product or sheen
	06/11/96		14.14	28.95	No free product or sheen
	10/02/96		15.71	27.38	No free product or sheen
	01/28/97		12.05	31.04	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-3	02/18/92	43.10	16.89	26.21	
	05/14/92		16.60	26.50	
	08/27/92		18.96	24.14	
	11/18/92		20.38	23.01	
	02/03/93		15.43	27.67	
	06/23/93		15.67	27.43	Product sheen
	09/22/93		17.20	25.90	No free product or sheen
	01/24/94		17.35	25.75	
	04/07/94		14.48	28.62	No free product or sheen
	06/07/94		13.37	29.73	Product sheen
	09/28/94		18.05	25.05	No free product or sheen
	12/14/94		16.92	26.18	Product sheen
	03/15/95		14.22	28.88	Product sheen
	06/13/95		14.49	28.61	Product sheen
	09/28/95		15.17	27.93	No free product or sheen
	12/28/95		15.45	27.65	No free product or sheen
	03/12/96		11.35	31.75	No free product or sheen
	06/11/96		Dry	Dry	Dry
	10/02/96		Dry	Dry	Dry
	01/28/97		Dry	Dry	Dry
MW-4	02/18/92	44.66	18.51	26.15	
	05/14/92		18.22	26.44	
	08/27/92		20.47	24.19	
	11/19/92		21.58	23.08	
	02/03/93		16.98	27.68	
	06/23/93		17.23	27.43	No free product or sheen
	09/22/93		18.83	25.83	No free product or sheen
	01/24/94		18.86	25.80	
	04/07/94		17.90	26.76	No free product or sheen
	06/07/94		18.08	26.58	No free product or sheen
	09/28/94		19.70	24.96	No free product or sheen
	12/14/94		18.55	26.11	No free product or sheen
	03/15/95		16.14	28.52	No free product or sheen
	06/13/95		16.41	28.25	No free product or sheen
	09/28/95		17.88	26.78	No free product or sheen
	12/28/95		17.81	26.85	No free product or sheen
	03/12/96		14.77	29.89	No free product or sheen
	06/11/96		15.88	28.78	No free product or sheen
	10/02/96		17.40	27.26	No free product or sheen
	01/28/97		14.11	30.55	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-5	02/18/92	43.79	17.37	26.42	
	05/14/92		17.29	26.50	
	08/27/92		22.18	21.61	
	11/19/92		20.68	23.11	
	02/03/93		15.91	27.88	
	06/23/93		16.24	27.55	No free product or sheen
	09/22/93		17.93	25.86	No free product or sheen
	01/24/94		17.82	25.97	
	04/07/94		16.91	26.88	No free product or sheen
	06/07/94		17.10	26.69	No free product or sheen
	09/28/94		18.73	25.06	No free product or sheen
	12/14/94		17.53	26.26	No free product or sheen
	03/15/95		14.96	28.83	No free product or sheen
	06/13/95		15.30	28.49	No free product or sheen
	09/28/95		16.74	27.05	No free product or sheen
	12/28/95		15.10	28.69	No free product or sheen
	03/12/96		13.67	30.12	No free product or sheen
	06/11/96		14.88	28.91	No free product or sheen
	10/02/96		16.42	27.37	No free product or sheen
	01/28/97		12.83	30.96	No free product or sheen
MW-6	02/18/92	42.47	15.87	26.60	
	05/14/92		16.04	26.43	
	08/27/92		18.17	24.30	
	11/19/92		19.30	23.17	
	02/03/93		14.60	27.87	
	06/23/93		15.00	27.47	No free product or sheen
	09/22/93		16.66	25.81	No free product or sheen
	01/24/94		16.52	25.95	
	04/07/94		15.70	26.77	No free product or sheen
	06/07/94		15.88	26.59	No free product or sheen
	09/28/94		17.51	24.96	No free product or sheen
	12/14/94		16.27	26.20	No free product or sheen
	03/15/95		13.52	28.95	No free product or sheen
	06/13/95		13.96	28.51	No free product or sheen
	09/28/95		15.61	26.86	No free product or sheen
	12/28/95		15.54	26.93	No free product or sheen
	03/12/96		11.88	30.59	No free product or sheen
	06/11/96		13.52	28.95	No free product or sheen
	10/02/96		15.10	27.37	No free product or sheen
	01/28/97		11.18	31.29	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-7	02/18/92	41.54	15.51	26.03	
	05/14/92		15.41	26.13	
	08/27/92		17.45	24.09	
	11/19/92		18.54	23.00	
	02/03/93		14.10	27.44	
	06/23/93		14.33	27.21	No free product or sheen
	09/22/93		15.92	25.62	No free product or sheen
	01/24/94		16.07	25.47	
	04/07/94		15.10	26.44	
	06/07/94		15.16	26.38	No free product or sheen
	09/28/94		16.82	24.72	No free product or sheen
	12/14/94		15.75	25.79	No free product or sheen
	03/15/95		14.00	27.54	No free product or sheen
	06/13/95		13.44	28.10	No free product or sheen
	09/28/95		14.84	26.70	No free product or sheen
	12/28/95		14.55	26.99	No free product or sheen
	03/12/96		11.88	29.66	No free product or sheen
	06/11/96		13.52	28.58	No free product or sheen
	10/02/96		14.50	27.04	No free product or sheen
	01/28/97		11.08	30.46	No free product or sheen
MW-8	02/18/92	42.26	16.57	25.69	
	05/14/92		16.24	26.02	
	08/27/92		18.28	23.98	
	11/19/92		19.32	22.94	
	02/03/93		14.87	27.39	
	06/23/93		15.18	27.08	No free product or sheen
	09/22/93		18.79	23.47	No free product or sheen
	01/24/94		17.06	25.20	
	04/07/94		15.95	26.31	No free product or sheen
	06/07/94		15.10	27.16	No free product or sheen
	09/28/94		17.63	24.63	No free product or sheen
	12/14/94		16.66	25.60	No free product or sheen
	03/15/95		14.30	27.96	No free product or sheen
	06/13/95		14.37	27.89	No free product or sheen
	09/28/95		15.62	26.64	No free product or sheen
	12/28/95		15.62	26.64	No free product or sheen
	03/12/96		12.75	29.51	No free product or sheen
	06/11/96		13.94	28.32	No free product or sheen
	10/02/96		15.41	26.85	No free product or sheen
	01/28/97		12.30	29.96	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-9	02/18/92	44.94	18.87	26.07	
	05/14/92		18.55	26.39	
	08/27/92		20.80	24.14	
	11/19/92		21.90	23.04	
	02/03/93		17.25	27.69	
	06/23/93		17.61	27.33	No free product or sheen
	09/22/93		19.18	25.76	No free product or sheen
	01/24/94		19.17	25.77	
	04/07/94		18.23	26.71	No free product or sheen
	06/07/94		18.40	26.54	No free product or sheen
	09/28/94		20.01	24.93	No free product or sheen
	12/14/94		18.88	26.06	No free product or sheen
	03/15/95		16.24	28.70	No free product or sheen
	06/13/95		16.75	28.19	No free product or sheen
	09/28/95		18.04	26.90	No free product or sheen
	12/28/95		17.87	27.07	No free product or sheen
	03/12/96		NM	NM	Not measured
	06/11/96		16.26	28.68	No free product or sheen
	10/02/96		17.74	27.20	No free product or sheen
	01/28/97		14.51	30.43	No free product or sheen
MW-10	02/18/92	42.34	16.63	25.71	
	05/14/92		15.25	27.09	
	08/27/92		18.35	23.99	
	11/19/92		19.43	22.91	
	02/03/93		15.01	27.33	
	06/23/93		15.30	27.04	No free product or sheen
	09/22/93		16.90	25.44	No free product or sheen
	01/24/94		NM	NM	
	04/07/94		15.97	26.37	No free product or sheen
	06/07/94		16.04	26.30	No free product or sheen
	09/28/94		17.69	24.65	No free product or sheen
	12/14/94		16.65	25.69	No free product or sheen
	03/15/95		14.08	28.26	No free product or sheen
	06/13/95		14.49	27.85	No free product or sheen
	09/28/95		15.81	26.53	No free product or sheen
	12/28/95		15.46	26.88	No free product or sheen
	03/12/96		12.62	29.72	No free product or sheen
	06/11/96		14.40	27.94	No free product or sheen
	10/02/96		15.47	26.87	No free product or sheen
	01/28/97		15.69	26.65	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
MW-11	02/18/92	45.00	17.00	28.00	
	05/14/92		19.02	25.98	
	08/27/92		21.13	23.87	
	11/19/92		17.91	27.09	
	02/03/92		17.91	27.09	
	06/23/93		18.14	26.86	No free product or sheen
	09/22/93		19.63	25.37	No free product or sheen
	01/24/94		19.79	25.21	
	04/07/94		18.78	26.22	No free product or sheen
	06/07/94		18.88	26.12	No free product or sheen
	09/28/94		20.45	24.55	No free product or sheen
	12/14/94		19.45	25.55	No free product or sheen
	03/15/95		17.32	27.68	No free product or sheen
	06/13/95		17.43	27.57	No free product or sheen
	09/28/95		18.67	26.33	No free product or sheen
	12/28/95		18.31	26.69	No free product or sheen
	03/12/96		15.89	29.11	No free product or sheen
	06/11/96		16.98	28.02	No free product or sheen
	10/02/96		18.20	26.80	No free product or sheen
	01/28/97		12.53	32.47	No free product or sheen

TABLE 1-Continued

GROUND WATER ELEVATIONS

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Physical Observation of Free Product or Sheen
RW-1	05/14/92	43.17	16.88	26.29	
	08/27/92		19.05	24.12	
	11/19/92		21.11	22.07	
	02/03/92		15.48	27.69	
	06/23/93		28.25	14.92	No free product or sheen
	09/22/93		17.83	25.34	No free product or sheen
	01/24/94		24.00	19.17	
	04/07/94		16.05	27.12	No free product or sheen
	06/07/94		16.00	27.17	No free product or sheen
	09/28/94		18.35	24.82	No free product or sheen
	12/14/94		19.50	23.67	No free product or sheen
	03/15/95		17.00	26.17	No free product or sheen
	06/13/95		14.95	28.22	No free product or sheen
	09/28/95		27.63	15.54	No free product or sheen
	12/28/95		14.54	28.63	No free product or sheen
	03/12/96		11.02	32.15	No free product or sheen
	06/11/96		14.52	28.65	No free product or sheen
	10/02/96		15.53	27.64	No free product or sheen
	01/28/97		12.59	30.58	No free product or sheen

[a] All top of riser elevations surveyed by Aegis Environmental, and are assumed relative to mean sea level.

NM = Not measured.

Note: Aegis Environmental, Inc., collected data prior to 06/23/93.

TABLE 2

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-1	02/18/92	NS	NS	NS	NS	NS	NS
	05/15/92	2,000	47	1,200	400	41,000	NA
	08/28/92	3,800	54	850	970	110,000	NA
	11/19/92	200	<5.0	90	140	3,600	NA
	02/03/93	180	22	79	130	3,000	NA
	06/23/93	2,400	74	650	510	12,000	NA
	09/22/93	3,000	290	1,100	1,200	23,000	NA
	01/24/94	2,400	280	1,100	1,700	18,000	NA
	04/07/94	4,200	820	1,600	2,100	20,000	NA
	06/07/94	1,800	510	1,100	1,600	26,000	NA
	09/28/94	1,700	210	970	870	18,000	NA
	12/14/94	4,400	2,400	2,300	4,300	31,000	NA
	03/15/95	830	310	840	1,200	17,000	NA
	06/13/95	1,300	99	1,500	1,100	22,000	NA
	09/28/95	580	<25	780	410	8,800	NA
	12/28/95	4.9	<1.3	<1.3	290	4,800	74
	01/30/96	17	7.1	20	45	1,500	63
	03/12/96	<0.5	<0.5	<0.5	<0.5	110	44
	06/11/96	48	0.9	37	26	600	75
	10/02/96	16	<0.5	6.0	0.92	210	11
	01/28/97	<0.5	<0.5	<0.5	<0.5	150	160

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-2	02/18/92	<0.5	<0.5	1.9	<0.5	1,600	NA
	05/14/92	1.2	1.0	1.3	<0.5	740	NA
	08/27/92	6.5	1.1	0.6	<0.5	1,400	NA
	11/19/92	<0.5	<0.5	2.7	<0.5	360	NA
	02/03/93	1.2	1.6	4.5	6.4	590	NA
	06/23/93	<0.5	<0.5	0.52	0.50	160	NA
	09/22/93	<0.5	0.59	1.2	0.59	290	NA
	01/24/94	<0.5	<0.5	0.68	<0.5	330	NA
	04/07/94	<0.5	<0.5	<0.5	4.4	490	NA
	06/07/94	<0.5	<0.5	1.5	<0.5	550	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	190	NA
	12/14/94	7.2	0.84	<0.5	<0.5	1,400	NA
	03/15/95	39	<0.5	0.53	<0.5	730	NA
	06/13/95	8.3	<0.5	<0.5	<0.5	750[a]	NA
	09/28/95	<0.5	<0.5	<0.5	<0.5	670[a]	NA
	12/28/95	9.5	<5.0	<5.0	5.2	3,100	4,600
	03/12/96	<1.3	<1.3	<1.3	<1.3	710	3,200
	06/11/96	1.6	<1.3	<1.3	<1.3	1,900[a]	5,100
	10/02/96	<2.5	<2.5	<2.5	<2.5	2,800	7,900
	01/28/97	<0.5	<0.5	<0.5	<0.5	130	210

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-3	02/18/92	NS	NS	NS	NS	NS	NS
	05/15/92	6,300	5,900	1,700	6,100	160,000	NA
	08/28/92	2,500	40,000	6,700	44,000	1,300,000	NA
	11/19/92	NS	NS	NS	NS	NS	NS
	02/03/93	7,200	11,000	2,900	13,000	82,000	NA
	06/23/93	3,200	5,300	2,500	9,100	61,000	NA
	09/22/93	12,000	14,000	3,900	18,000	94,000	NA
	01/24/94	14,000	17,000	4,200	14,000	110,000	NA
	04/07/94	6,500	1,800	1,700	4,100	28,000	NA
	06/07/94	6,400	2,300	1,500	3,500	27,000	NA
	09/28/94	7,400	4,300	1,500	4,600	40,000	NA
	12/14/94	17,000	21,000	3,900	22,000	140,000	NA
	03/15/95	4,900	1,900	1,800	7,100	58,000	NA
	06/13/95	7,200	2,900	1,200	4,600	44,000	NA
	09/28/95	5,600	2,100	1,900	6,900	30,000	NA
	12/28/95	32	5.8	18	4,700	16,000	360
	01/30/96	850	800	190	1,700	8,700	430
	03/12/96	48	64	5.3	630	2,400	97
	06/11/96	NS	NS	NS	NS	NS	NS
	10/02/96	NS	NS	NS	NS	NS	NS
	01/28/97	NS	NS	NS	NS	NS	NS

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-4	02/18/92	<0.5	<0.5	12	21	5,100	NA
	05/14/92	<0.5	5.6	1.8	2.2	4,600	NA
	08/28/92	6.6	1.3	1.6	3.1	1,700	NA
	11/19/92	<0.5	<0.5	<0.5	<0.5	400	NA
	02/03/93	<0.5	<0.5	<0.5	<0.5	1,100	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	120	NA
	09/22/93	<0.5	<0.5	<0.5	<0.5	110	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	260	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	430	NA
	06/07/94	<0.5	<0.5	<0.5	<0.5	150	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	75	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	160	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	500	NA
	06/13/95	<0.5	<0.5	<0.5	<0.5	210[a]	NA
	09/28/95	<0.5	<0.5	<0.5	<0.5	140[a]	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	510[a]	<5.0
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	06/11/96	<0.5	<0.5	<0.5	<0.5	50[a]	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	270[a]	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-5	02/18/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/14/92	<0.5	<0.05	<0.5	<0.5	<50	NA
	08/27/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/19/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/03/93	3.0	2.7	8.0	9.9	55	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/22/93	0.66	1.1	<0.5	0.6	<50	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/13/95	<0.5	0.52	<0.5	<0.5	<50	NA
	09/28/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	120	<5.0
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	9.2
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-6	02/18/92	4.8	<0.5	<0.5	<0.5	370	NA
	05/14/92	<0.5	<0.5	<0.5	<0.5	120	NA
	08/27/92	1.2	<0.5	<0.5	<0.5	<50	NA
	11/19/92	1.3	<0.5	1.0	1.1	66	NA
	02/03/93	1.9	2.6	23	12	100	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/22/93	2.2	3.8	0.53	2.7	81	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	98	NA
	04/07/94	0.71	<0.5	<0.5	<0.5	150	NA
	06/07/94	<0.5	<0.5	<0.5	<0.5	180	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	100	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	140	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	110	NA
	06/13/95	<0.5	0.87	<0.5	<0.5	150[a]	NA
	09/28/95	0.78	<0.5	<0.5	<0.5	<50	NA
	12/28/95	<0.5	<0.5	<0.5	6.3	410	70
	01/30/96	1.0	<0.5	<0.5	11	81	46
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	7.1
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-7	02/18/92	16	<0.5	10	16	670	NA
	05/14/92	44	<0.5	38	88	1,500	NA
	08/27/92	400	5.8	290	1,400	23,000	NA
	11/19/92	29	<0.5	10	53	330	NA
	02/03/93	200	<0.5	110	480	2,000	NA
	06/23/93	20	<0.5	16	16	280	NA
	09/22/93	71	2.2	33	210	860	NA
	01/24/94	61	<1.3	10	160	900	NA
	04/07/94	53	<0.5	7.1	49	630	NA
	06/07/94	55	<0.5	14	24	730	NA
	09/28/94	21	<0.5	2.3	3.1	300	NA
	12/14/94	19	<0.5	3.3	32	430	NA
	03/15/95	0.88	<0.5	<0.5	<0.5	70	NA
	06/13/95	7.3	0.79	7.6	8.9	190	NA
	09/28/95	1.5	<0.5	1.2	0.84	60	NA
	12/28/95	<0.5	<0.5	0.91	0.69	60	9.8
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	11
	06/11/96	<0.5	<0.5	<0.5	<0.5	79	16
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	26
	01/28/97	<0.5	<0.5	<0.5	<0.5	<50	13

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-8	02/18/92	<0.5	<0.5	9.5	<0.5	1,200	NA
	05/14/92	<0.5	<0.5	<0.5	<0.5	130	NA
	08/28/92	<0.5	<0.5	<0.5	<0.5	140	NA
	11/19/92	<0.5	<0.5	2.0	<0.5	320	NA
	02/03/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/22/93	<0.5	0.67	<0.5	<0.5	<50	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	290	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/13/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/95	NS	NS	NS	NS	NS	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-9	02/18/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/14/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/27/92	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/19/92	<0.5	<0.5	<0.5	1.3	<50	NA
	02/03/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/22/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/13/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/12/96	NS	NS	NS	NS	NS	NA
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-10	02/18/92	110	57	440	53	18,000	NA
	05/15/92	24	9.8	97	<0.5	8,500	NA
	08/29/92	20	2.8	40	3.5	9,600	NA
	11/19/92	36	21	330	31	5,700	NA
	02/03/93	15	4.6	36	9.6	2,200	NA
	06/23/93	21	24	540	45	8,100	NA
	09/22/93	22	17	350	16	6,200	NA
	01/24/94	NS	NS	NS	NS	NS	NA
	04/07/94	6.4	2.9	150	4.7	4,000	NA
	06/07/94	5.6	<2.5	150	5.7	6,700	NA
	09/28/94	2.2	2.6	110	44	5,700	NA
	12/14/94	<1.3	<1.3	77	27	3,500	NA
	03/15/95	<5.0	6.7	150	23	7,200	NA
	06/13/95	9.0	48	610	130	8,400	NA
	09/28/95	22	17	360	24	6,300	NA
	12/28/95	4.4	5.6	340	11	5,000	37
	03/12/96	1.4	5.9	41	73	4,500	120
	06/11/96	<5.0	25	350	81	7,500	<25
	10/02/96	18	<2.5	<2.5	<2.5	2,600	<25
	01/28/97	5.9	<2.5	29	19	2,800	<25

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
MW-11	02/18/92	<0.5	<0.5	<0.5	<0.5	2,400	NA
	05/15/92	<0.5	1.9	1.3	0.7	1,600	NA
	08/27/92	15	2	0.6	1.2	2,100	NA
	11/19/92	<0.5	<0.5	<0.5	<0.5	490	NA
	02/03/93	<0.5	<0.5	0.55	<0.5	500	NA
	06/23/93	<0.5	<0.5	<0.5	<0.5	350	NA
	09/22/93	<0.5	0.65	<0.5	0.71	200	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	450	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	500	NA
	06/07/94	<0.5	<0.5	<0.5	0.64	560	NA
	09/28/94	<0.5	<0.5	<0.5	<0.5	600	NA
	12/14/94	<0.5	<0.5	<0.5	<0.5	340	NA
	03/15/95	<0.5	<0.5	<0.5	<0.5	340	NA
	06/13/95	<0.5	<0.5	<0.5	<0.5	210[a]	NA
	09/28/95	4.1	0.50	<0.5	<0.5	93	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	380[a]	<5.0
	03/12/96	<0.5	<0.5	<0.5	<0.5	110	<5.0
	06/11/96	<0.5	<0.5	<0.5	<0.5	400[a]	<5.0
	10/02/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/28/97	<0.5	<0.5	<0.5	<0.5	110[a]	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
RW-1	05/15/92	270	62	29	140	790	NA
	08/29/92	1,300	200	68	810	24,000	NA
	11/19/92	NS	NS	NS	NS	NS	NS
	02/03/93	71	35	22	110	620	NA
	06/23/93	30	33	9.8	35	220	NA
	09/22/93	800	400	170	910	4,100	NA
	01/24/94	33	6.0	6.9	23	190	NA
	04/07/94	110	57	32	260	1,500	NA
	06/07/94	130	51	45	180	1,700	NA
	09/28/94	54	9.2	12	29	350	NA
	12/14/94	6.8	2.1	1.2	3.4	79	NA
	03/15/95	NS	NS	NS	NS	NS	NS
	04/10/95	54	11	11	69	410	NA
	06/13/95	1,600	780	340	1,400	8,200	NA
	09/28/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/28/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/12/96	<0.5	<0.5	<0.5	<0.5	86	110
	06/11/96	38	11	4.7	50	230	68
	10/02/96	68	29	14	75	360	47
	01/28/97	0.77	<0.5	<0.5	<0.5	<50	8.8

[a] Product is not typical gasoline.

TPH = Total petroleum hydrocarbons by EPA Method 8015 Modified.
MTBE = Methyl tertiary butyl ether.
NS = Not sampled.
NA = Not analyzed.

Note: Aegis Environmental, Inc., collected data prior to 06/23/93.

TABLE 3

VOLUME OF GROUND WATER TREATED
by Remediation System

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

Date	Volume (gallons)[a]
06/21/93	2,120
07/14/93	117,367
08/14/93	210,470
09/22/93	255,241
01/24/94	399,520
03/31/94	460,075
06/21/94	597,663
09/28/94	662,894
12/14/94	723,160
03/15/95	902,621
06/30/95	929,056
09/26/95	1,018,150
12/06/95	1,053,866
03/19/96	1,076,752[b]
06/27/96	1,175,632[b]
09/18/96	1,176,762[b]
10/22/96	1,184,392[b]

[a] Cumulative volume of water discharged to sanitary sewer at the indicated date.
[b] Flow meter changed out on 01/30/96; volume = reading of new meter + 1,067,852.

TABLE 4

GROUND WATER SYSTEM ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Sample	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
Influent	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/10/95	3.9	0.57	0.65	5.5	<50	NA
	06/13/95	NS	NS	NS	NS	NS	NS
	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/14/95	<0.5	<0.5	<0.5	<0.5	490[a]	NA
	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	5.3
	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	7.9
	06/11/96	2.4	0.57	5.9	2.8	190	610
	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	11
Mid Carbon	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/13/95	NS	NS	NS	NS	NS	NS
	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/14/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 4-Continued

GROUND WATER SYSTEM ANALYTICAL RESULTS
Concentrations in micrograms per liter (µg/L)

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

Sample	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as gasoline	MTBE
Effluent	05/28/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/01/93	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/18/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/28/94	NS	NS	NS	NS	NS	NS
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/13/95	NS	NS	NS	NS	NS	NA
	07/28/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/10/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/14/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/96	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/27/96	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/12/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	04/16/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/07/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	06/11/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	09/18/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0

[a] Not typical gasoline.

TPH = Total petroleum hydrocarbons by EPA Method 8015 Modified.
NS = Not sampled.
MTBE = Methyl tertiary butyl ether.
NA = Not analyzed.

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

North

CALIF

QUADRANGLE LOCATION

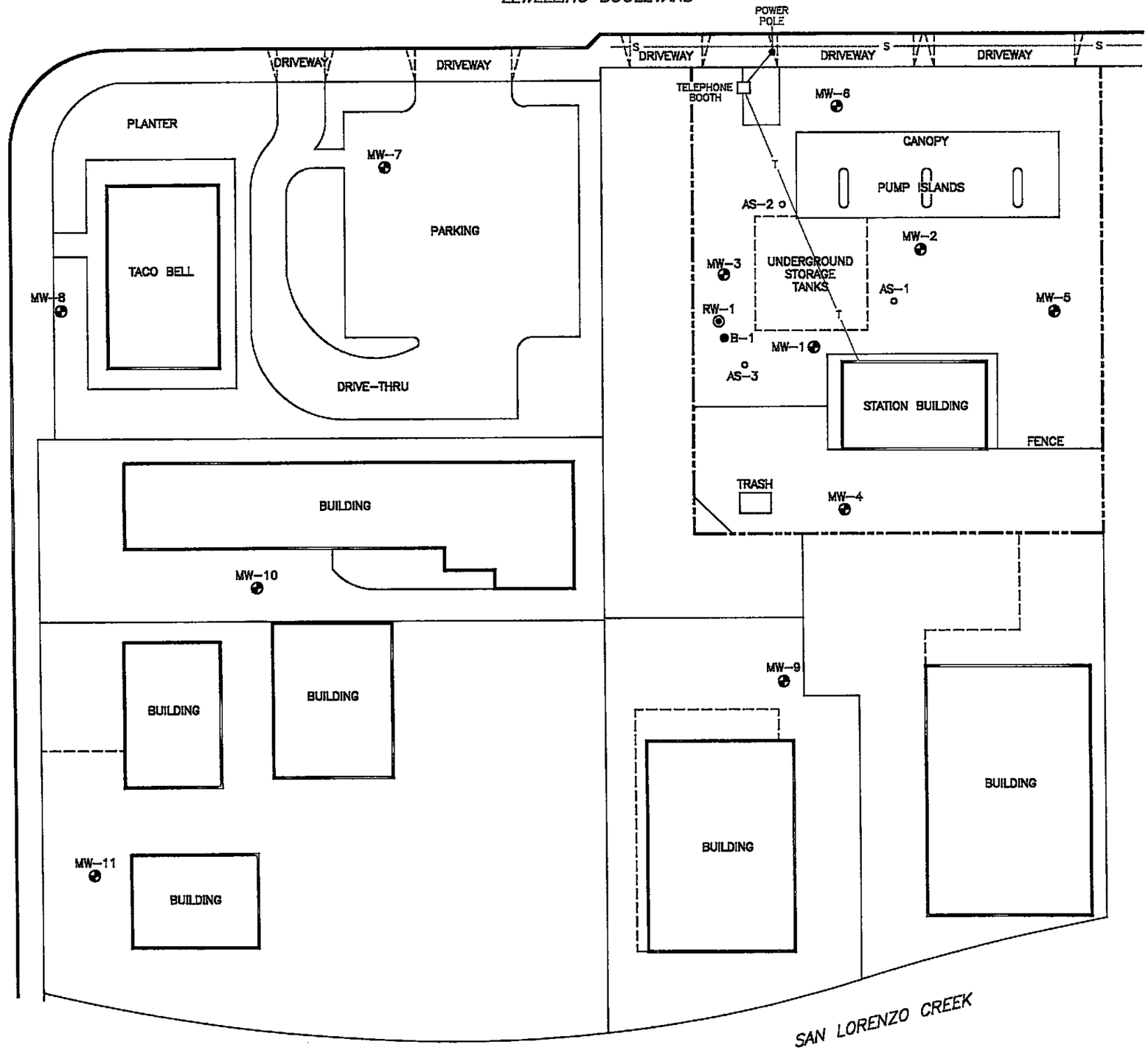
0 2000 FT

SCALE 1 : 24,000

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

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

Delta Environmental Consultants, Inc.



North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ◓ MW-1 MONITORING WELL LOCATION
- ○ AS-1 AIR SPARGING WELL LOCATION

UTILITIES

- —T— TELEPHONE LINE (OVERHEAD)
- —S— SEWER LINE (BURIED)

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

0 30 FT
SCALE

FIGURE 2
SITE VICINITY MAP

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

PROJECT NO. D093-938	DRAWN BY I.H. 10/12/98
FILE NO. 93-938-1	PREPARED BY JWS
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

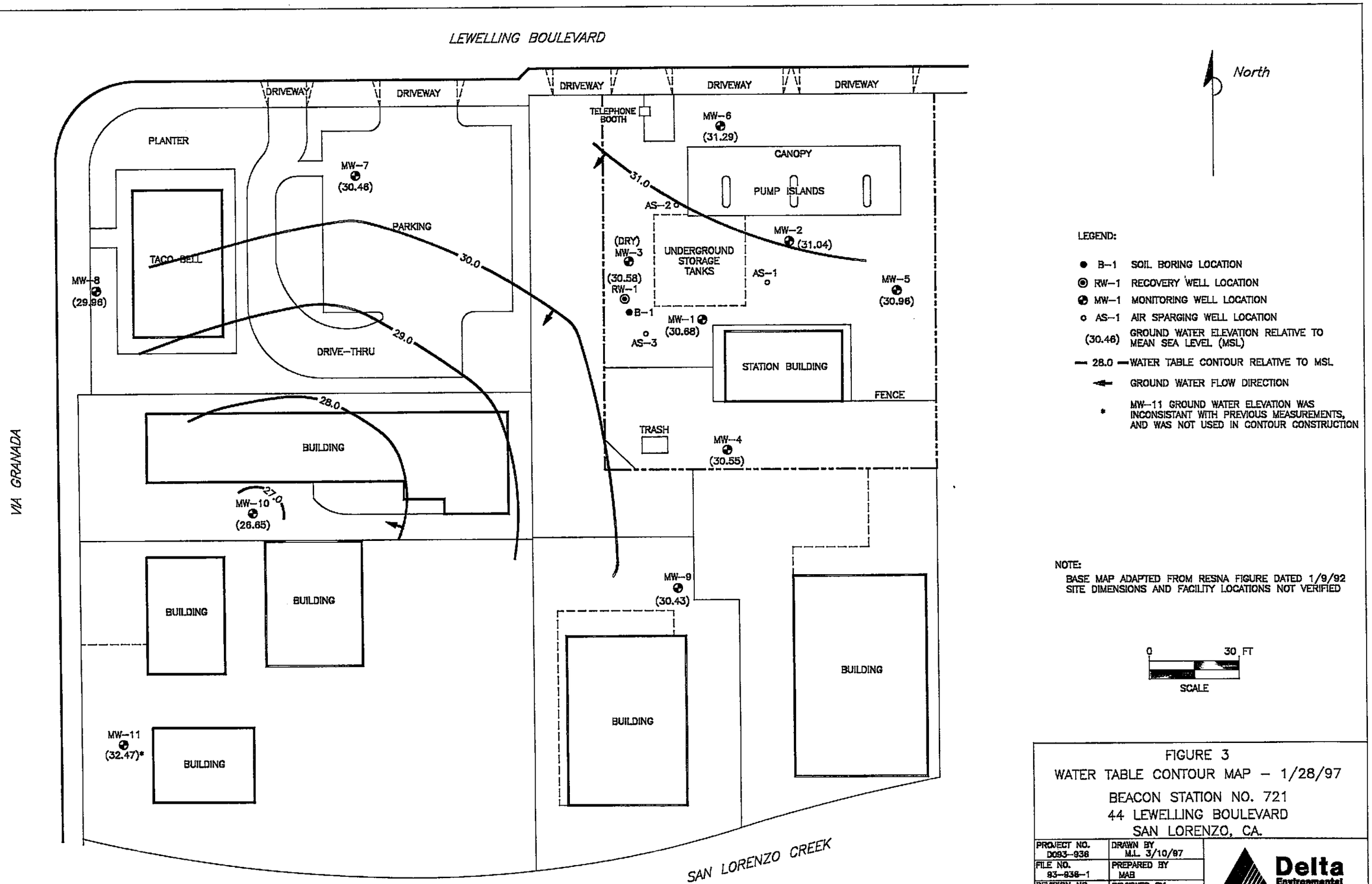


FIGURE 3
WATER TABLE CONTOUR MAP – 1/28/97
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-938	DRAWN BY M.L. 3/10/97
FILE NO. 93-838-1	PREPARED BY MAB
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

LEWELLING BOULEVARD

VIA GRANADA

DRIVEWAY
DRIVEWAY
DRIVEWAY
DRIVEWAY
DRIVEWAY

PLANTER
TACO BELL
MW-8 (<0.5)
MW-7 (<0.5)
PARKING
DRIVE-THRU

TELEPHONE BOOTH
MW-6 (<0.5)
CANOPY
PUMP ISLANDS
AS-2
(NS) MW-3
UNDERGROUND STORAGE TANKS
MW-2 (<0.5)
AS-1
(0.77) RW-1
B-1
MW-1 (<0.5)
AS-3
MW-5 (<0.5)
STATION BUILDING
FENCE
TRASH
MW-4 (<0.5)

BUILDING
MW-10 (5.9)
BUILDING
BUILDING
MW-9 (<0.5)
BUILDING
BUILDING
MW-11 (<0.5)
BUILDING

SAN LORENZO CREEK

North

LEGEND:

- B-1 SOIL BORING LOCATION
- RW-1 RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- (5.9) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- (NS) NOT SAMPLED

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

0 30 FT
SCALE

FIGURE 4
BENZENE CONCENTRATION MAP
1/28/97
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-936	DRAWN BY M.L. 3/24/97
FILE NO. 93-936-1	PREPARED BY MAB
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

QUALITY ASSURANCE PLAN

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

General Sample Collection and Handling Procedures

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

Water Sample Collection for Volatile Organic Analyses

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

Water Sample Labeling and Preservation

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

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

Sample Identification and Chain-of-Custody Procedures

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

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

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

ENCLOSURE B

Field Sampling Data Sheets

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1 / 28 / 97 Time: 1250

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 12.99 ft Date: 1 / 28 / 97 Time 1056

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well.

Sampling method: X Disposable bailer ____ Sampling pump

Samples collected 2 VOA's - BTEX; TPHg Sample appearance Cloudy

Note any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rain					
					11

Comments: DO2 0.4 ppm

Transportation (thermal preservation) COOLER + ICE

Form completed by: [signature] Sampled by: [signature]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1 / 28 / 97 Time: 1205

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

Well Depth 33.30 ± below top of casing Casing diameter 2 inches

Depth to water (below top of casing) 12.05 ± Date: 1 / 28 / 97 Time 1054

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling port

Samples collected 2 VOA's - BTEX, TPHg Sample appearance cloudy

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Begin					
					11

Comments: Benz 0.2 ppm

Transportation (thermal preservation) COOLER & ICE

Form completed by: [illegible] Sampled by: [illegible]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

Location (address): 44 LEWELLING BLVD. SAN LORENZO, CA

Date Sampled: ____ / ____ / ____ Time: _____

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

Equipment Replaced: _____ bolts _____ locks _____ locking cap

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

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

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

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

At least _____ well volumes have been evacuated before sampling.

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

Sampling method: _____ Disposable bailer _____ Sampling port

Samples collected 2 VOA's - BTEX; TPHg Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

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

Comments: DRY

Transportation (thermal preservation) COOLER & ICE

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

Location (address) 44 LEWELLING BLVD SAN LORENZO, CA

Date Sampled: 1/28/97 Time: 1310

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

Well Depth 24.60 ± below top of casing Casing diameter 2 inches

Depth to water (below top of casing) 14.11 ± Date: 1/28/97 Time 1058

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (New or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling port

Samples collected 2 VOA's - BTEX; TOHg Sample appearance Clear

Note any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
New					
					6

Comments: DO= 0.7 ppm

Transportation (thermal preservation) COOLER & ICE

Form completed by: ____ Sampled by: ____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-5 Project Name: Beacon 721 Project No. D093-936

Location (address) 44 LEWELLING BLVD. SAN LORENZO CA

Date Sampled: 1 / 28 / 97 Time: 1145

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 12.93 ft. Date: 1 / 28 / 97 Time: 1052

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (New or previously used) was used to purge well.

Sampling method: X Disposable bailer ____ Sampling port

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

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rain					
					6

Comments: DO = 0.5 ppm

Transportation (thermal preservation) cooler & ice

Form completed by: M Sampled by: M

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-6 Project Name: BEACONTZI Project No. D093-936

Location (address): 44 LEWELLING BLVD SAN LORENZO CA

Date Sampled: 1 / 28 / 97 Time: 1130

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 11.18 ft Date: 1 / 28 / 97 Time 1052

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling pump

Samples collected: 2 VOA's - BTEX, TPHg Sample appearance Cloudy

Note any sampling problems NONE

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rein					
					11

Comments: DO=0.7 ppm

Transportation (thermal preservation) COOLER & ICE

Form completed by: ____ Sampled by: ____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1/28/97 Time: 1025

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 11.08 ft. Date: 1/28/97 Time 1010

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (New or previously used) was used to purge well.

Sampling method: X Disposable bailer ____ Sampling pump

Samples collected 2 VOA's - BTEX, TPHg Sample appearance Cloudy

Note any sampling problems: None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Raid					
					8

Comments: DO= 0.4 ppm

Temperature (thermal preservation) COOLER & ICE

Form completed by: [signature] Sampled by: [signature]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1 / 28 / 97 Time: 1000

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 12.30 ft. Date: 1 / 28 / 97 Time 0950

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling port

Samples collected 2 VOA's - BTEX; TPHg Sample appearance Cloudy

Note any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (mmhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rain?					
					7

Comments: DO = 8.7 ppm

Transportation (thermal preservation) COOLER & ICE

Form completed by: ____ Sampled by: ____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-9 Project Name: REACON 721 Project No. D093-936

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

Date Sampled: 1/28/97 Time: 1045

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 14.51 ft. Date: 1/28/97 Time 1030

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (New or previously used) was used to purge well.

Sampling method: X Disposable bailer ____ Sampling port

Samples collected 2 VOA's - BTEX, TPHg Sample appearance Cloudy

Note any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (mmhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rain					
					6

Comments: DOC 0.3 ppm

Transportation (thermal preservation) COOLER + ICE

Form completed by: [signature] Sampled by: [signature]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

Location (address) 44 LEWELLING BLVD SAN LORENZO CA

Date Sampled: 1/28/97 Time: 0930

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

Equipment Replaced: _____ bolts _____ locks _____ locking cap

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

Depth to water (below top of casing) 15.69 ft. Date: 1/28/97 Time 0930

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

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

At least 4 well volumes have been evacuated before sampling.

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

Sampling method: X Disposable bailer _____ Sampling port:

Samples collected 2 VOA's - BTEX/TPH$_g$ Sample appearance Cloudy

Note any sampling problems None

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Rain					
					0

Comments: DO = 0.4

Transportation (thermal preservation) COOLER & ICE

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1 / 28 / 97 Time: 0945

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

Well Depth 29.50 ± below top of casing Casing diameter 2 inches

Depth to water (below top of casing) 12.53 ± Date: 1 / 28 / 97 Time 0935

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other: ____

At least 4 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well.

Sampling method: X Disposable bailer ____ Sampling port

Samples collected 2 VOA's - BTEX, TPHg Sample appearance Cloudy

Note any sampling problems NONE

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (mmhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
Purge					
					10

Comments: DO= 0.8 ppm

Transportation (thermal preservation) COOLER W/ ICE

Form completed by: [signature] Sampled by: [signature]

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 1 / 28 / 97 Time: 1330

Wellhead assembly condition: X Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

Well Depth 29.50 ft below top of casing Casing diameter ____ inches

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

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

Purging method: ____ Submersible pump ____ Bailer X Centrifugal pump ____ Other ____

At least 7 well volumes have been evacuated before sampling.

Tubing (type: ____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling port

Samples collected ____ Sample appearance CLOUDY

Note any sampling problems NONE

GROUND WATER EVACUATION/STABILIZATION DATA

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

Comments: DO = 0.2 PPM

Transportation (thermal preservation) COOLER + ICE

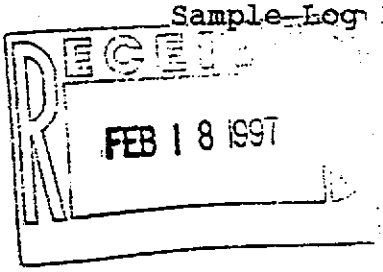
Form completed by: [signature] Sampled by: [signature]

ENCLOSURE C

Ground Water Sample Laboratory Report

WEST LABORATORY

February 4, 1997
Sample Log 16324



Owen Kittredge
Delta Environmental Consultants
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

Subject: Analytical Results for 11 Water Samples
Identified as: Beacon 721 (Proj. # DO93-936)
Received: 01/28/97

Dear Mr. Kittredge:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on February 4, 1997 and describes procedures used to analyze the samples.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 602/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

Please refer to the following table(s) for summarized analytical results and contact us at 916-753-9500 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Joel Kiff
Senior Chemist

WEST LABORATORY

Sample Log 16324

MTBE (Methyl-t-butyl ether) By EPA Method 8020/602

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Received : 01/28/97
Matrix : Water

MTBE	(MRL) ug/L	Measured Value ug/L
MW-11	(5.0)	<5.0
MW-10	(25)	<25
MW-8	(5.0)	<5.0
MW-7	(5.0)	13
MW-9	(5.0)	<5.0
MW-6	(5.0)	<5.0
MW-5	(5.0)	<5.0
MW-2	(13)	210
MW-1	(5.0)	160
MW-4	(5.0)	<5.0
RW-1	(5.0)	8.8

Approved By:

Joel Kiff
Senior Chemist

WEST LABORATORY

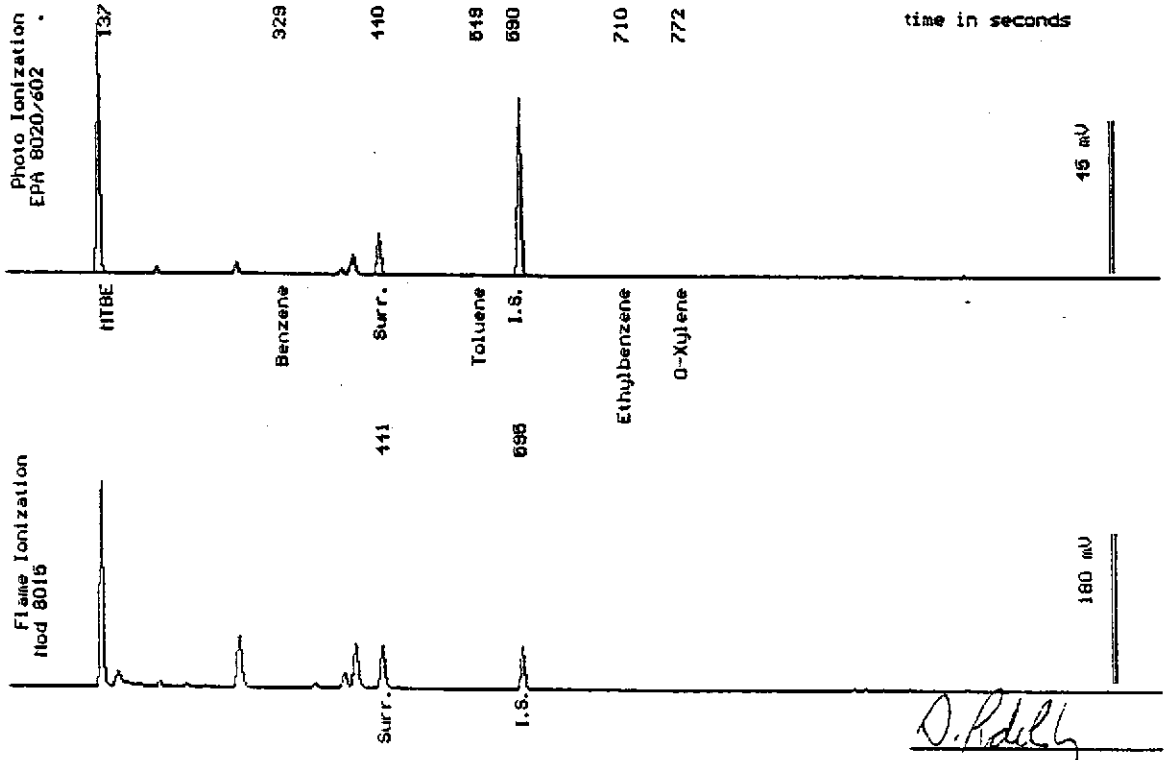
Sample Log 16324

16324-09

Sample: **MW-1**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158K
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	150
Surrogate Recovery		101 %



Date Analyzed: 01-31-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

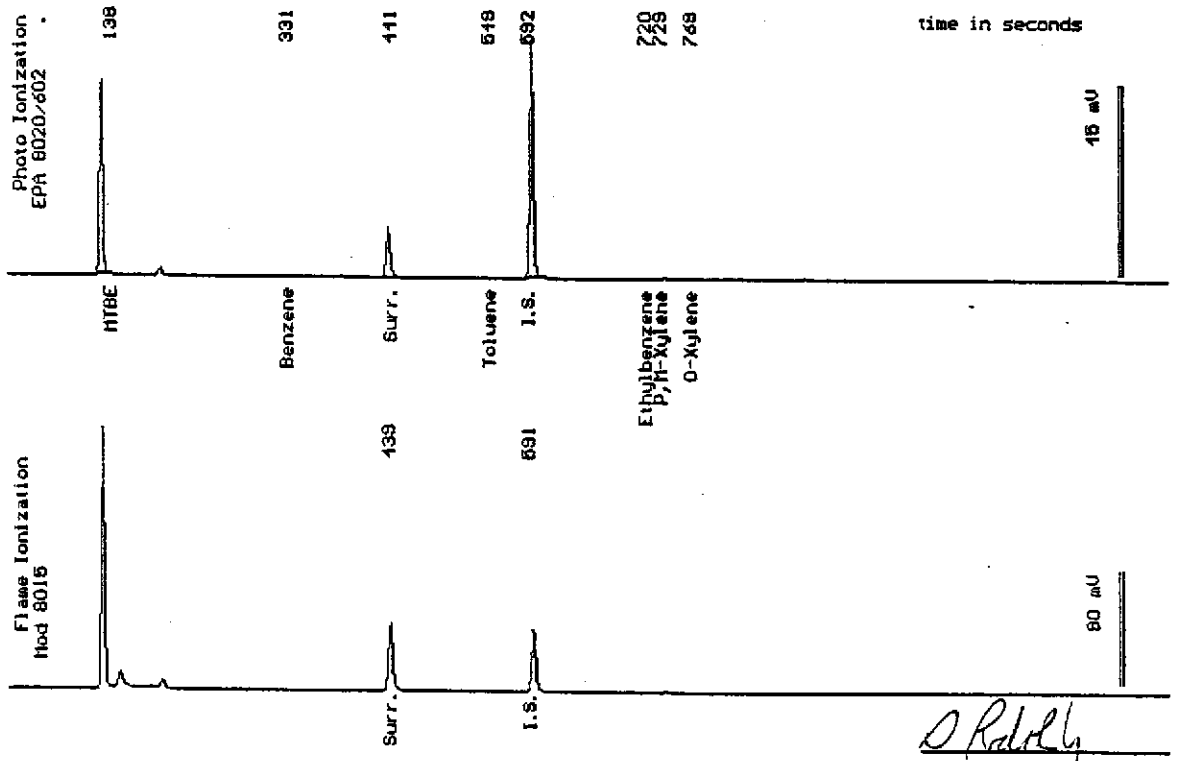
Sample Log 16324

16324-08

Sample: MW-2

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158K
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	130
Surrogate Recovery		97 %



Date Analyzed: 01-31-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

Sample Log 16324

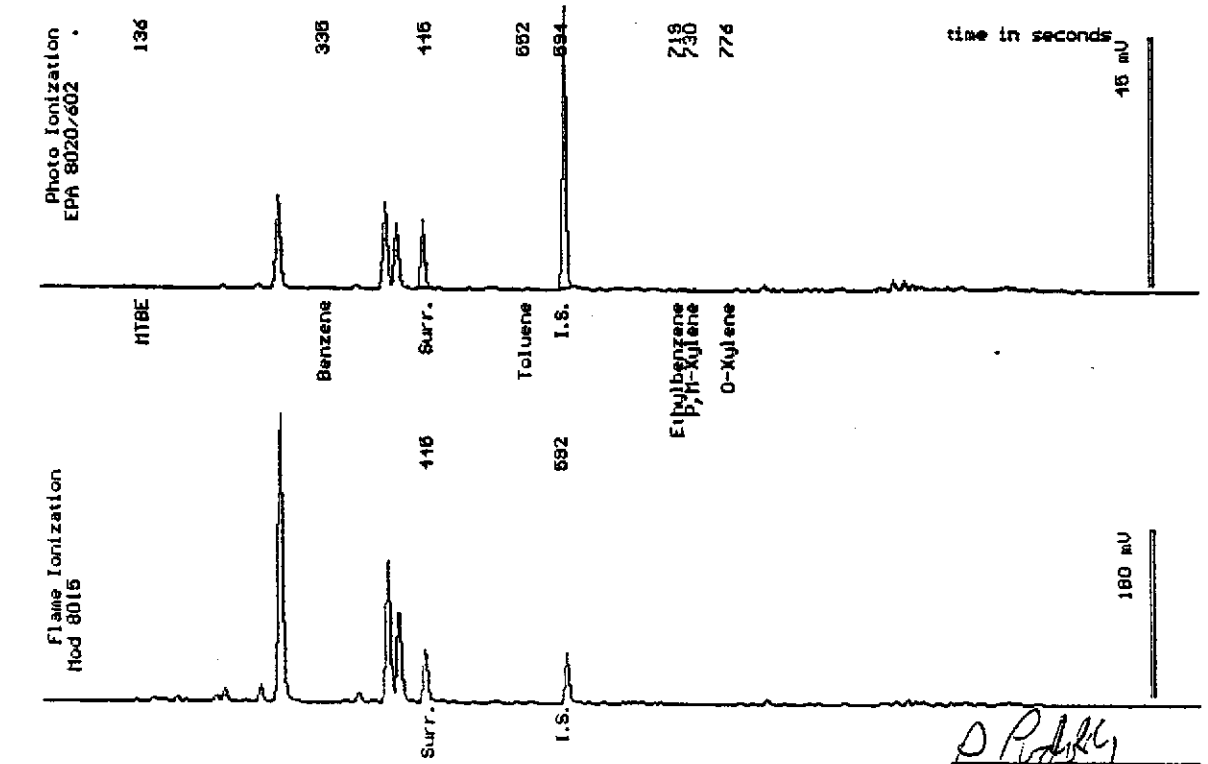
16324-10

Sample: **MW-4**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158L
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	270 *
Surrogate Recovery		106 %

* Product is not typical gasoline.



Date Analyzed: 02-03-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

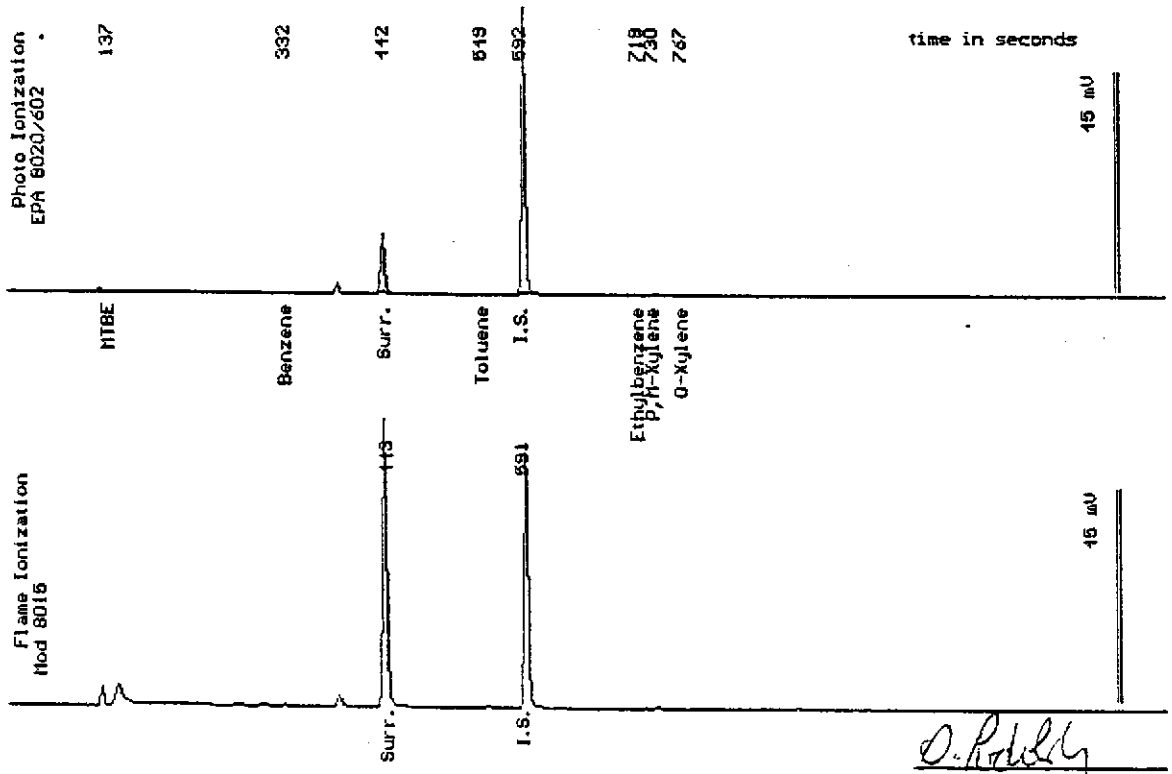
Sample Log 16324

16324-07

Sample: **MW-5**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158L
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		91 %



Date Analyzed: 02-03-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

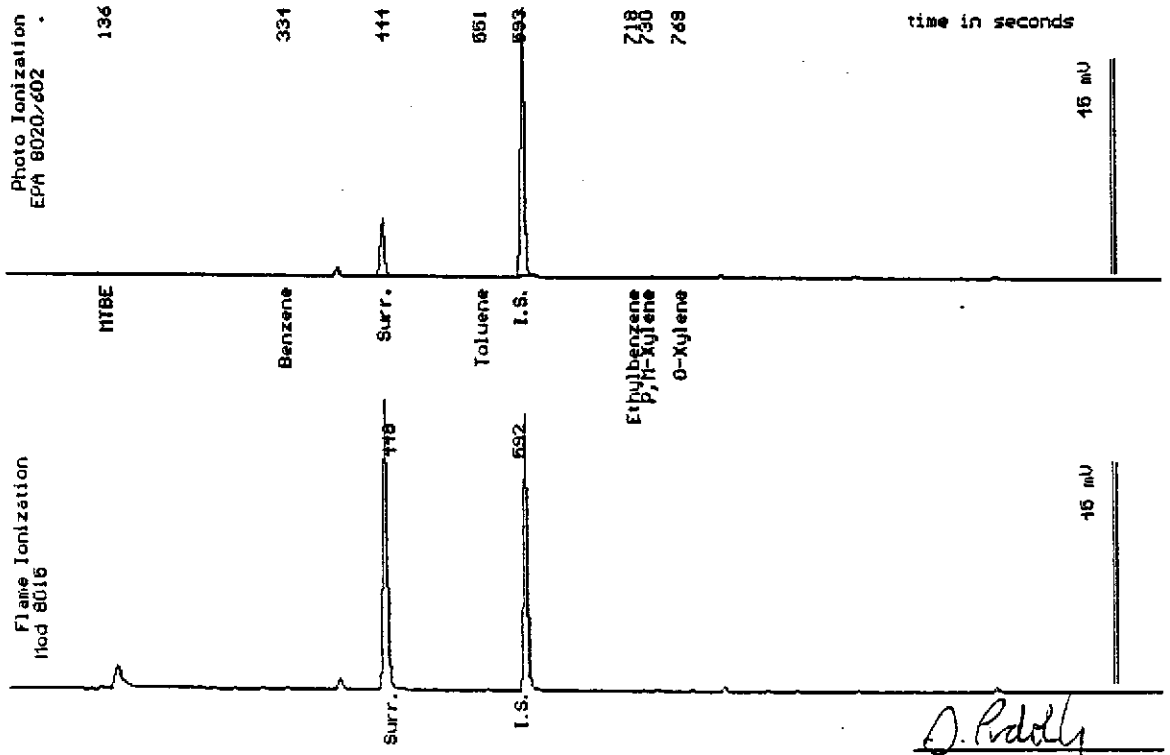
Sample Log 16324

16324-06

Sample: **MW-6**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158I
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		95 %



Date Analyzed: 01-29-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

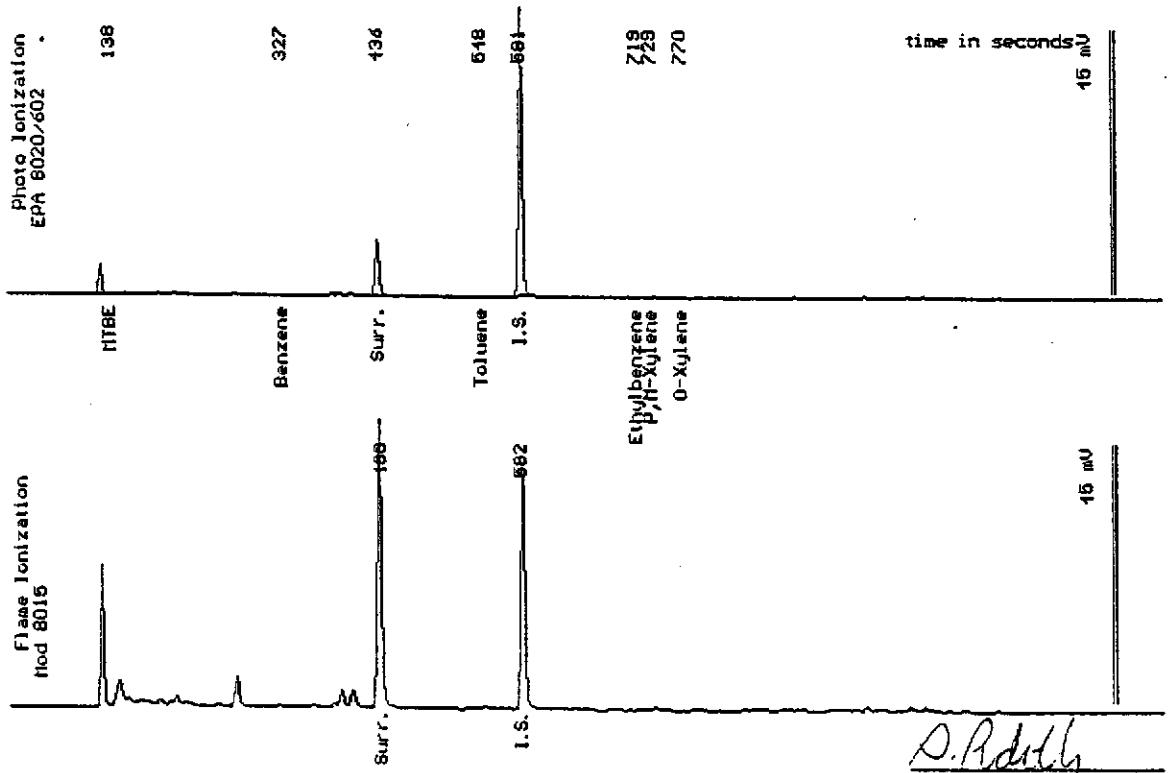
Sample Log 16324

16324-04

Sample: **MW-7**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158K
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		96 %



Date Analyzed: 01-31-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

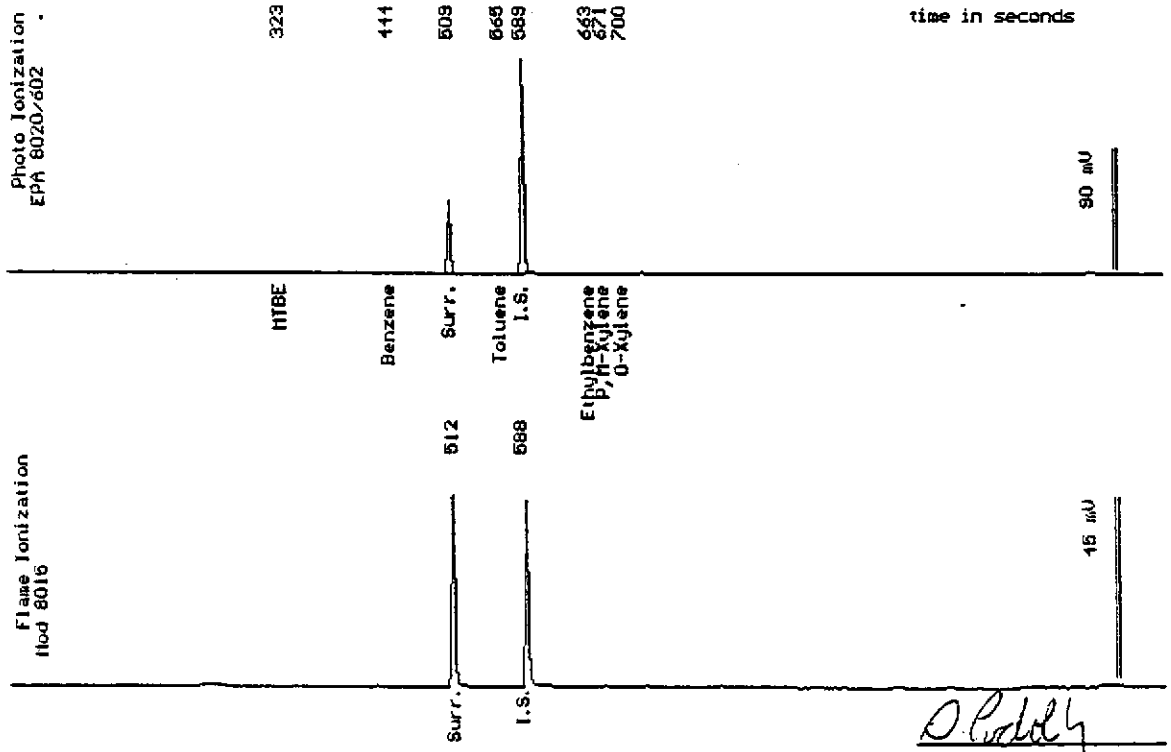
Sample Log 16324

16324-03

Sample: **MW-8**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 6181N
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		107 %



Date Analyzed: 01-29-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

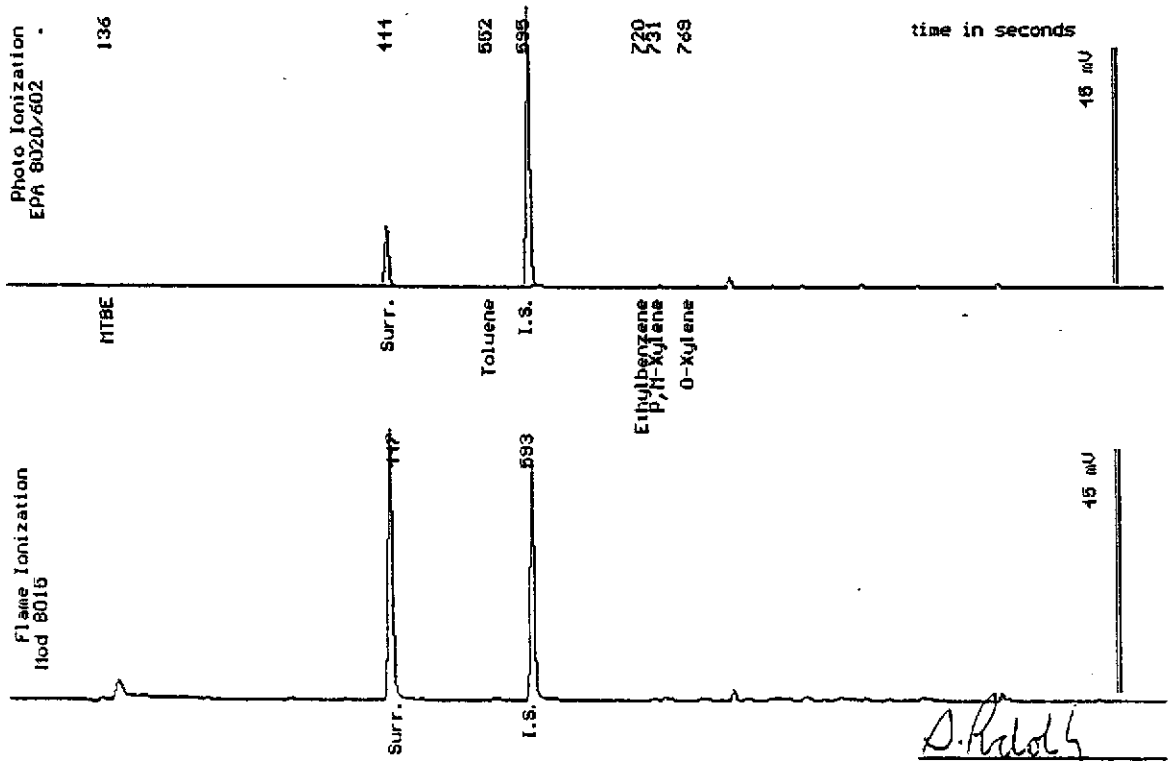
Sample Log 16324

16324-05

Sample: **MW-9**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158I
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		98 %



Date Analyzed: 01-29-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

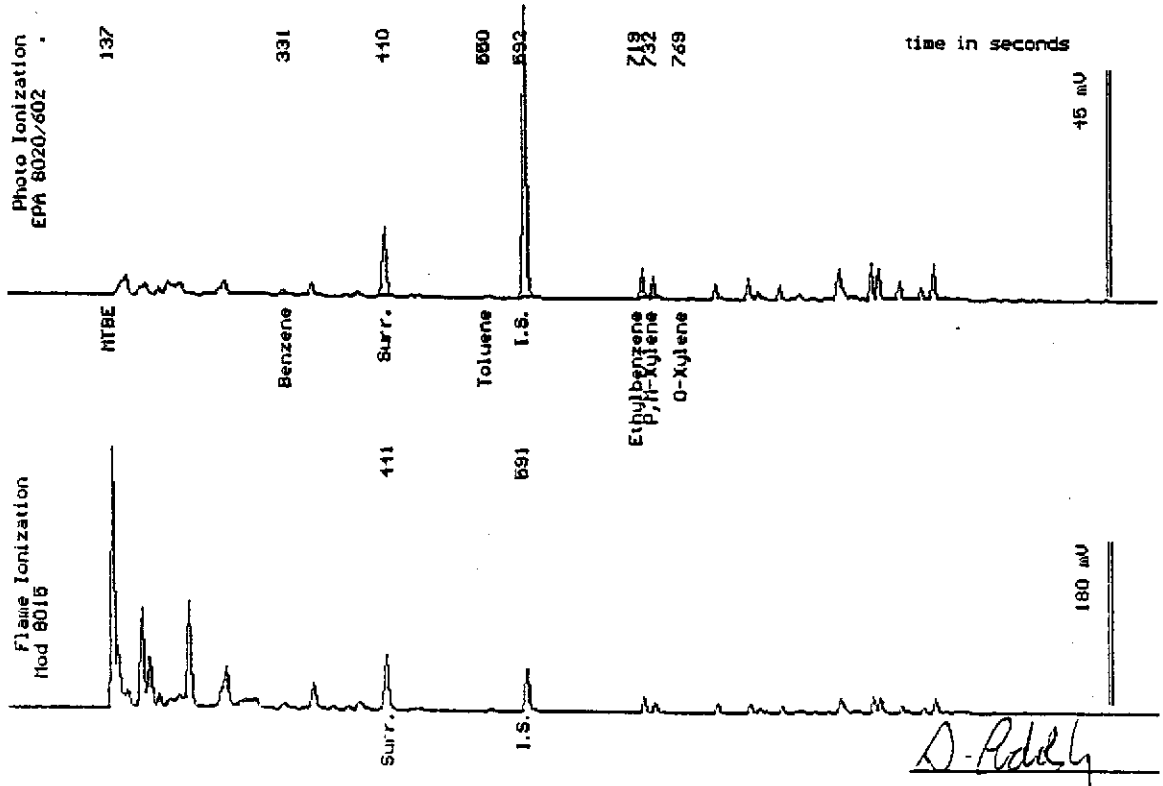
Sample Log 16324

16324-02

Sample: **MW-10**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:5 QC Batch : 4158I
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(2.5)	5.9
Toluene	(2.5)	<2.5
Ethylbenzene	(2.5)	29
Total Xylenes	(2.5)	19
TPH as Gasoline	(250)	2800
Surrogate Recovery		100 %



Date Analyzed: 01-29-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

Sample Log 16324

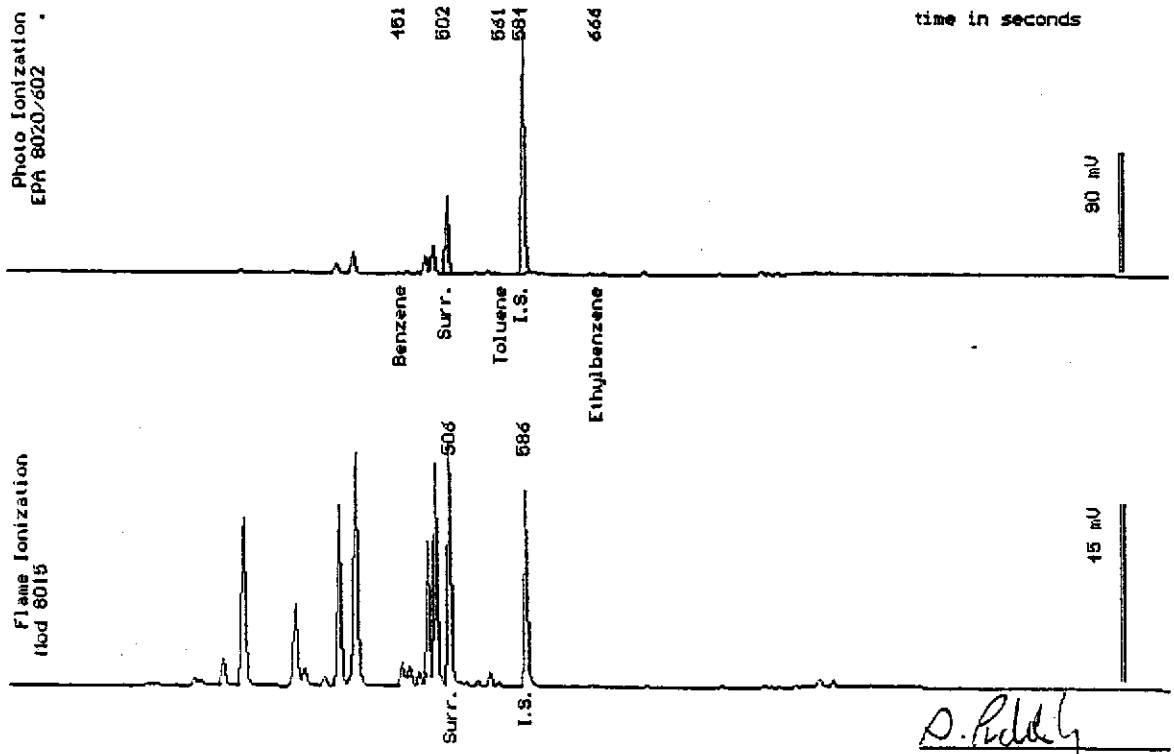
16324-01

Sample: **MW-11**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 6181N
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	110 *
Surrogate Recovery		109 %

* Product is not typical gasoline.



Date Analyzed: 01-29-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

WEST LABORATORY

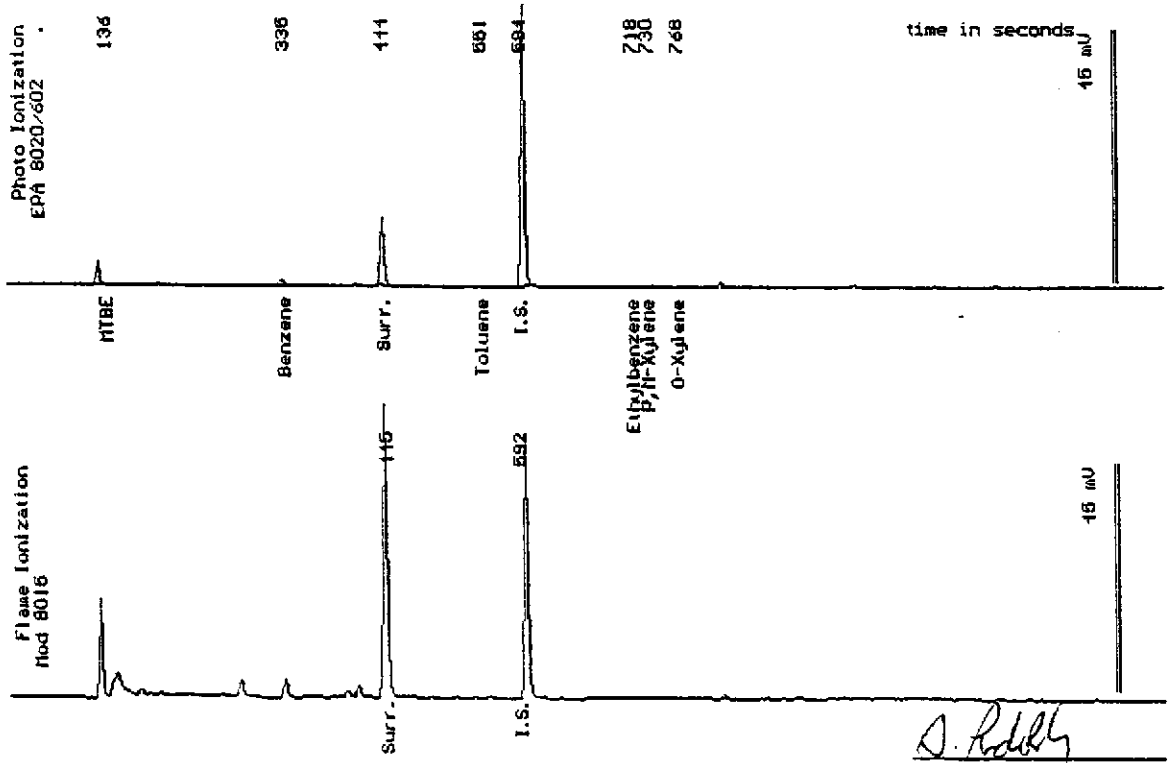
Sample Log 16324

16324-11

Sample: RW-1

From : Beacon 721 (Proj. # DO93-936)
Sampled : 01/28/97
Dilution : 1:1 QC Batch : 4158L
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	.77
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery		96 %



Date Analyzed: 02-03-97
Column : 0.53mm ID X 60m Restek Rtx-1701

Joel Kiff
Senior Chemist

Ultramar Inc.

CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	Jay Stoga-s	1-28-97	1 of 2
Project No.	**Sampler (Signature)**	West Lab- Davis	
D093-936		Standard TAT	
Project Location	**Affiliation**		
San Lorenzo	DeHy		

Sample No./Identification	Date	Time	Lab No.	ANALYSES: BTEX	TPH (gasoline)	TPH (diesel)						No. of Containers	REMARKS
MW-11	1-28-97	0930	16324-01	X	X							2	
MW-10		0945	02										
MW-8		1000	03										
MW-7		1025	04										
MW-9		1045	05										
MW-6		1130	06										
MW-5		1145	07										
MW-2		1205	08										

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	01/28/97	1340			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
				01/29/97	1340

Report To: Owen Kitteridge - DeHy

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

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

32-8003 1/90

Ultramar Inc.

CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	Jay Stoops	1-28-97	2 of 2
Project No.	**Sampler (Signature)**	WEST CAS - DAVIS	
D093-936		Standard TAT	
Project Location	**Affiliation**		
San Lorenzo	Delta		

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW-1	1-28-97	1250	16324 09	X	X		2	
MW-4	"	1310	10					
RW-1	"	1330	11					

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	01/28/97	1340			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
				01/28/97	1340

Report To: Doreen Litchfield Delta

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

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

32-8003 1/90