Reviewed 08/09/95 by Aseach

ENVIRONMENTAL PROTECTION

95 MAY 22 PM 2:49

Ultramar

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

Telecopy: 209-584-6113 Credit & Wholesale
209-583-3330 Administrative
209-583-3302 Information Services
209-583-3358 Accounting

May 9, 1995

Ms. Juliet Shin
Hazardous Materials Program
Department of Environmental Health
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94612

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

Dear Ms. Shin:

Enclosed is a copy of the ground-water monitoring report for the first quarter 1995 for the above-referenced Ultramar facility. Also included is a copy of the Quarterly Status Report which describes the work completed this quarter and the work anticipated to be completed next quarter.

Please call if you have any questions regarding this project.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosures

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

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: May 9, 1995
QUARTER ENDING: March 31, 1995

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.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on March 15, 1995. RW-1 was sampled on April 10, 1995.

Continued to operate the remediation system.

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that measurable free product was not detected in any well this quarter. Benzene concentrations remained not detected in wells MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, and MW-11. The benzene concentration decreased in MW-1 from 4,400 ppb to 830 ppb, in MW-3 from 17,000 ppb to 4,900 ppb, and in MW-7 from 19 ppb to 0.88 ppb. Benzene concentrations increased in MW-2 from 7.2 ppb to 39 ppb and in RW-1 from 6.8 ppb to 54 ppb.

As of March 15, 1995, approximately 1,842,372 gallons of ground water have been removed, treated, and discharged. Approximately 5,661 pounds 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
Continue operation of remediation system.	Ongoing

Delta
Environmental
Consultants, Inc.

3330 Data Drive
Suite 100
Rancho Cordova, CA 95670
916/638-2085
FAX: 916/638-8385

May 5, 1995

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

Subject: *Quarterly Ground Water Monitoring Report, First Quarter 1995, and Status of Remediation System through March 1995*
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 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 subject site and evaluate the effectiveness of the remediation system currently in operation. This letter report summarizes the results of ground water monitoring and sampling activities performed at the site on March 15, 1995, and the remediation system status through March 1995. The site location is shown in Figure 1 and site features are illustrated in Figure 2.

Quarterly ground water monitoring conducted on March 15, 1995, included measurement of depth to water in six on-site monitoring wells (MW-1 through MW-6), five off-site monitoring wells (MW-7 through MW-11), and one on-site ground water recovery well (RW-1), subjective analyses of water samples to evaluate the presence of free petroleum product or product sheen in the monitoring wells, and collection of ground water samples for chemical analysis. Methods used in the performance of these tasks are described in Enclosure A.

Water Table Elevation Measurements and Flow Direction

Depth to ground water in the monitoring wells was measured on March 15, 1995. Depth to ground water ranged from 13.52 (MW-6) to 17.32 (MW-11) feet below the top of well casings. Cumulative ground water table measurements recorded at the site are compiled in Table 1. Based on the March 15, 1995, ground water table measurements, the direction of ground water flow was toward recovery well RW-1. A water table contour map prepared from the March 15, 1995, data is included as Figure 3.

Free Petroleum Product or Product Sheen

The presence of separate phase petroleum product or product sheen in the monitoring wells was evaluated using procedures described in Enclosure A. On March 15, 1995 site visit, no liquid-phase hydrocarbons were observed; however, a sheen was observed in monitoring wells MW-1 and MW-3.

Ground Water Analytical Results

Ground water samples were collected from monitoring wells MW-1 through MW-11 on March 15, 1995. A ground water sample was not collected from recovery well RW-1 on March 15, 1995, however, a sample was collected on April 10, 1995. Sampling procedures are described in Enclosure A, and copies of the sampling information data sheets are included in Enclosure B.

The ground water samples were submitted to Western Environmental Science and Technology Laboratory of Davis, California (a California-certified laboratory), for analysis of benzene, toluene, ethylbenzene, total xylenes, and total petroleum hydrocarbons as gasoline using EPA Methods 8020 and 8015 Modified, respectively. Benzene was not detected above the laboratory's limits of detection in monitoring wells MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, and MW-11. Detectable benzene concentrations ranged from 0.88 micrograms per liter (μg/L) (MW-7) to 4,900 μg/L (MW-3). A comparison of the March 1995 analytical results with the December 1994 results indicate that benzene concentrations decreased in MW-1 (4,400 to 830 μg/L), MW-3 (17,000 to 4,900 μg/L), and MW-7 (19 to 0.88 μg/L), and increased in MW-2 (7.2 to 39 μg/L). Utilizing the first quarter ground water monitoring data, a benzene isoconcentration contour map was constructed and is included as Figure 4. Cumulative results of the chemical analyses are summarized in Table 2, and copies of the certified analytical reports for the March and April 1995 sampling events are included in Enclosure C.

Status of Remediation System

Delta has performed operation and maintenance of the ground water remediation system at the site since April 1993. The system pumps ground water from recovery well RW-1 and is designed to remove petroleum hydrocarbon constituents through treatment in an air stripper. Treated ground water is discharged to the sanitary sewer associated with the Oro Loma Sanitary District.

The ground water system ran continuously throughout the first quarter of 1995. During this time, the system treated and discharged 327,100 gallons of water to the sanitary sewer. The volume of ground water treated by the remediation system through March 15, 1995, is 1,842,372 gallons. A cumulative table showing the volume of ground water treated is shown in Table 3.

The soil vapor extraction (SVE) system was started in March 1994. The permit to operate the SVE system was issued on June 8, 1994, by the Bay Area Air Quality Management District. To date, the SVE system has removed approximately 5,661 pounds of petroleum hydrocarbons.

Remediation System Analytical Results

Remediation system samples were collected on March 22, 1995, at the influent, mid-carbon, and effluent (sewer discharge) locations. Results of the chemical analysis are summarized in Table 4.

Remarks\Signatures

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

It is recommended that copies of this letter report be forwarded to:

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

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

If you have any questions, please call Todd M. Galati at (916) 638-2085.

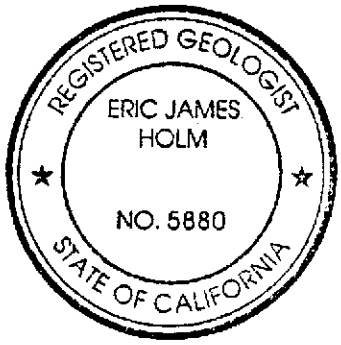
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

William L. Brattain
Staff Engineer

Todd M. Galati
Project Manager

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



WLB (LRP595.TA)
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
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
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

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-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
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
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

TABLE 1-Continued

GROUND WATER ELEVATIONS

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)	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
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
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

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-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[b]	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
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

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

[a] All top of riser elevations surveyed by Aegis Environmental, and are assumed relative to mean sea level.
[b] 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	Ethylbenzene	Xylenes	TPH[a] as gasoline
MW-1	02/18/92	—	—	—	—	—
	05/15/92	2,000	47	1,200	400	41,000
	08/28/92	3,800	54	850	970	110,000
	11/19/92	200	<5.0	90	140	3,600
	02/03/93	180	22	79	130	3,000
	06/23/93	2,400	74	650	510	12,000
	09/22/93	3,000	290	1,100	1,200	23,000
	01/24/94	2,400	280	1,100	1,700	18,000
	04/07/94	4,200	820	1,600	2,100	20,000
	06/07/94	1,800	510	1,100	1,600	26,000
	09/28/94	1,700	210	970	870	18,000
	12/14/94	4,400	2,400	2,300	4,300	31,000
	03/15/95	830	310	840	1,200	17,000
MW-2	02/18/92	<0.5	<0.5	1.9	<0.5	1,600
	05/14/92	1.2	1.0	1.3	<0.5	740
	08/27/92	6.5	1.1	0.6	<0.5	1,400
	11/19/92	<0.5	<0.5	2.7	<0.5	360
	02/03/93	1.2	1.6	4.5	6.4	590
	06/23/93	<0.5	<0.5	0.52	0.50	160
	09/22/93	<0.5	0.59	1.2	0.59	290
	01/24/94	<0.5	<0.5	0.68	<0.5	330
	04/07/94	<0.5	<0.5	<0.5	4.4	490
	06/07/94	<0.5	<0.5	1.5	<0.5	550
	09/28/94	<0.5	<0.5	<0.5	<0.5	190
	12/14/94	7.2	0.84	<0.5	<0.5	1,400
	03/15/95	39	<0.5	0.53	<0.5	730
MW-3	02/18/92	—	—	—	—	—
	05/15/92	6,300	5,900	1,700	6,100	160,000
	08/28/92	25,000	40,000	6,700	44,000	1,300,000
	11/19/92	—	—	—	—	—
	02/03/93	7,200	11,000	2,900	13,000	82,000
	06/23/93	3,200	5,300	2,500	9,100	61,000
	09/22/93	12,000	14,000	3,900	18,000	94,000
	01/24/94	14,000	17,000	4,200	14,000	110,000
	04/07/94	6,500	1,800	1,700	4,100	28,000
	06/07/94	6,400	2,300	1,500	3,500	27,000
	09/28/94	7,400	4,300	1,500	4,600	40,000
	12/14/94	17,000	21,000	3,900	22,000	140,000
	03/15/95	4,900	1,900	1,800	7,100	58,000

TABLE 2-Continued

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

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH[a] as gasoline
MW-4	02/18/92	<0.5	<0.5	12	21	5,100
	05/14/92	<0.5	5.6	1.8	2.2	4,600
	08/28/92	6.6	1.3	1.6	3.1	1,700
	11/19/92	<0.5	<0.5	<0.5	<0.5	400
	02/03/93	<0.5	<0.5	<0.5	<0.5	1,100
	06/23/93	<0.5	<0.5	<0.5	<0.5	120
	09/22/93	<0.5	<0.5	<0.5	<0.5	110
	01/24/94	<0.5	<0.5	<0.5	<0.5	260
	04/07/94	<0.5	<0.5	<0.5	<0.5	430
	06/07/94	<0.5	<0.5	<0.5	<0.5	150
	09/28/94	<0.5	<0.5	<0.5	<0.5	75
	12/14/94	<0.5	<0.5	<0.5	<0.5	160
	03/15/95	<0.5	<0.5	<0.5	<0.5	500
MW-5	02/18/92	<0.5	<0.5	<0.5	<0.5	<50
	05/14/92	<0.5	<0.05	<0.5	<0.5	<50
	08/27/92	<0.5	<0.5	<0.5	<0.5	<50
	11/19/92	<0.5	<0.5	<0.5	<0.5	<50
	02/03/93	3.0	2.7	8.0	9.9	55
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50
	09/22/93	0.66	1.1	<0.5	0.6	<50
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50
MW-6	02/18/92	4.8	<0.5	<0.5	<0.5	370
	05/14/92	<0.5	<0.5	<0.5	<0.5	120
	08/27/92	1.2	<0.5	<0.5	<0.5	<50
	11/19/92	1.3	<0.5	1.0	1.1	66
	02/03/93	1.9	2.6	23	12	100
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50
	09/22/93	2.2	3.8	0.53	2.7	81
	01/24/94	<0.5	<0.5	<0.5	<0.5	98
	04/07/94	0.71	<0.5	<0.5	<0.5	150
	06/07/94	<0.5	<0.5	<0.5	<0.5	180
	09/28/94	<0.5	<0.5	<0.5	<0.5	100
	12/14/94	<0.5	<0.5	<0.5	<0.5	140
	03/15/95	<0.5	<0.5	<0.5	<0.5	110

TABLE 2-Continued

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

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH* as gasoline
MW-7	02/18/92	16	<0.5	10	16	670
	05/14/92	44	<0.5	38	88	1,500
	08/27/92	400	5.8	290	1,400	23,000
	11/19/92	29	<0.5	10	53	330
	02/03/93	200	<0.5	110	480	2,000
	06/23/93	20	<0.5	16	16	280
	09/22/93	71	2.2	33	210	860
	01/24/94	61	<1.3	10	160	900
	04/07/94	53	<0.5	7.1	49	630
	06/07/94	55	<0.5	14	24	730
	09/28/94	21	<0.5	2.3	3.1	300
	12/14/94	19	<0.5	3.3	32	430
	03/15/95	0.88	<0.5	<0.5	<0.5	70
MW-8	02/18/92	<0.5	<0.5	9.5	<0.5	1,200
	05/14/92	<0.5	<0.5	<0.5	<0.5	130
	08/28/92	<0.5	<0.5	<0.5	<0.5	140
	11/19/92	<0.5	<0.5	2.0	<0.5	320
	02/03/93	<0.5	<0.5	<0.5	<0.5	<50
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50
	09/22/93	<0.5	0.67	<0.5	<0.5	<50
	01/24/94	<0.5	<0.5	<0.5	<0.5	290
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50
MW-9	02/18/92	<0.5	<0.5	<0.5	<0.5	<50
	05/14/92	<0.5	<0.5	<0.5	<0.5	<50
	08/27/92	<0.5	<0.5	<0.5	<0.5	<50
	11/19/92	<0.5	<0.5	<0.5	1.3	<50
	02/03/93	<0.5	<0.5	<0.5	<0.5	<50
	06/23/93	<0.5	<0.5	<0.5	<0.5	<50
	09/22/93	<0.5	<0.5	<0.5	<0.5	<50
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50
	06/07/94	<0.5	<0.5	<0.5	<0.5	<50
	09/28/94	<0.5	<0.5	<0.5	<0.5	<50
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50
	03/15/95	<0.5	<0.5	<0.5	<0.5	<50

TABLE 2-Continued

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

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH[a] as gasoline
MW-10	02/18/92	110	57	440	53	18,000
	05/15/92	24	9.8	97	<0.5	8,500
	08/29/92	20	2.8	40	3.5	9,600
	11/19/92	36	21	330	31	5,700
	02/03/93	15	4.6	36	9.6	2,200
	06/23/93	21	24	540	45	8,100
	09/22/93	22	17	350	16	6,200
	01/24/94	NS[b]	NS	NS	NS	NS
	04/07/94	6.4	2.9	150	4.7	4,000
	06/07/94	5.6	<2.5	150	5.7	6,700
	09/28/94	2.2	2.6	110	44	5,700
	12/14/94	<1.3	<1.3	77	27	3,500
	03/15/95	<5.0	6.7	150	23	7,200
MW-11	02/18/92	<0.5	<0.5	<0.5	<0.5	2,400
	05/15/92	<0.5	1.9	1.3	0.7	1,600
	08/27/92	15	2	0.6	1.2	2,100
	11/19/92	<0.5	<0.5	<0.5	<0.5	490
	02/03/93	<0.5	<0.5	0.55	<0.5	500
	06/23/93	<0.5	<0.5	<0.5	<0.5	350
	09/22/93	<0.5	0.65	<0.5	0.71	200
	01/24/94	<0.5	<0.5	<0.5	<0.5	450
	04/07/94	<0.5	<0.5	<0.5	<0.5	500
	06/07/94	<0.5	<0.5	<0.5	0.64	560
	09/28/94	<0.5	<0.5	<0.5	<0.5	600
	12/14/94	<0.5	<0.5	<0.5	<0.5	340
	03/15/95	<0.5	<0.5	<0.5	<0.5	340

TABLE 2-Continued

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

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH[a] as gasoline
RW-1	05/15/92	270	62	29	140	790
	08/29/92	1,300	200	68	810	24,000
	11/19/92	—	—	—	—	—
	02/03/93	71	35	22	110	620
	06/23/93	30	33	9.8	35	220
	09/22/93	800	400	170	910	4,100
	01/24/94	33	6.0	6.9	23	190
	04/07/94	110	57	32	260	1,500
	06/07/94	130	51	45	180	1,700
	09/28/94	54	9.2	12	29	350
	12/14/94	6.8	2.1	1.2	3.4	79
	03/15/95	NS	NS	NS	NS	NS
	04/10/95	54	11	11	69	410

[a] Total petroleum hydrocarbons.
[b] Not Sampled.

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[a] (gallons)
06/21/93	2,120
07/14/93	117,367
08/14/93	210,470
09/22/93	255,241
01/24/94	1,242,108
03/31/94	1,353,840
06/21/94	1,412,980
09/28/94	1,424,246
12/14/94	1,515,272
03/15/95	1,842,372

[a] Cumulative volume of water discharged to sanitary sewer at the indicated date.

TABLE 4

ANALYTICAL RESULTS OF SYSTEM WATER SAMPLES

Concentrations in micrograms per liter (μg/L)

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

Sample	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH[a] as gasoline
Effluent	05/28/93	<0.5	<0.5	<0.5	<0.5	<50
	10/01/93	<0.5	<0.5	<0.5	<0.5	<50
	01/24/94	<0.5	<0.5	<0.5	<0.5	<50
	04/07/94	<0.5	<0.5	<0.5	<0.5	<50
	05/18/94	<0.5	<0.5	<0.5	<0.5	<50
	09/28/94	NS[b]	NS	NS	NS	NS
	12/14/94	<0.5	<0.5	<0.5	<0.5	<50
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50
	04/10/95	<0.5	<0.5	<0.5	<0.5	<50
Influent	12/14/95	<0.5	<0.5	<0.5	<0.5	<50
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50
	04/10/95	3.9	0.57	0.65	5.5	<50
Mid Carbon	12/14/95	<0.5	<0.5	<0.5	<0.5	<50
	03/22/95	<0.5	<0.5	<0.5	<0.5	<50
	04/10/95	<0.5	<0.5	<0.5	<0.5	<50

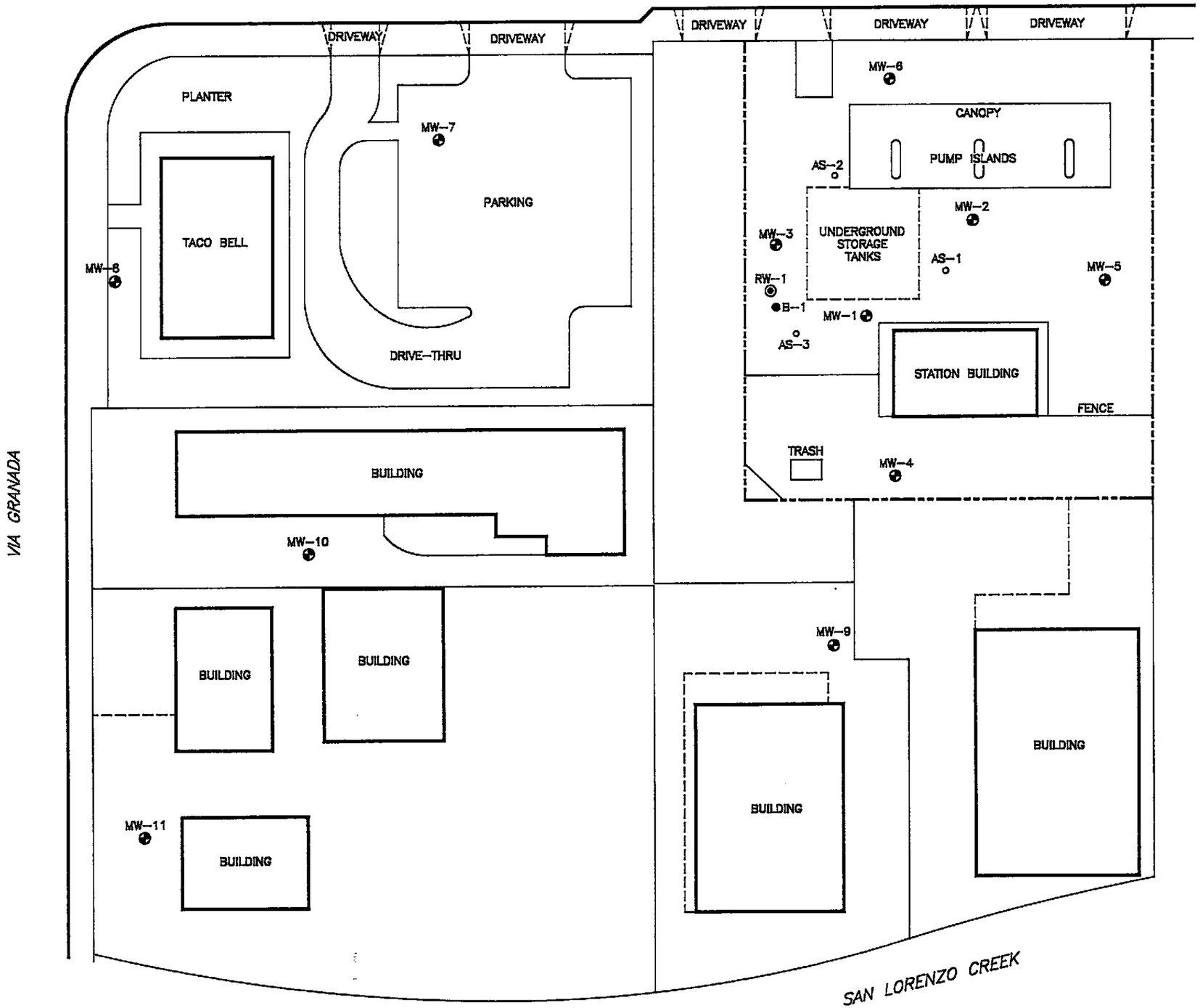
[a] Total petroleum hydrocarbons.
[b] Not sampled.

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

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

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

Delta Environmental Consultants, Inc.



North

LEGEND:

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

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

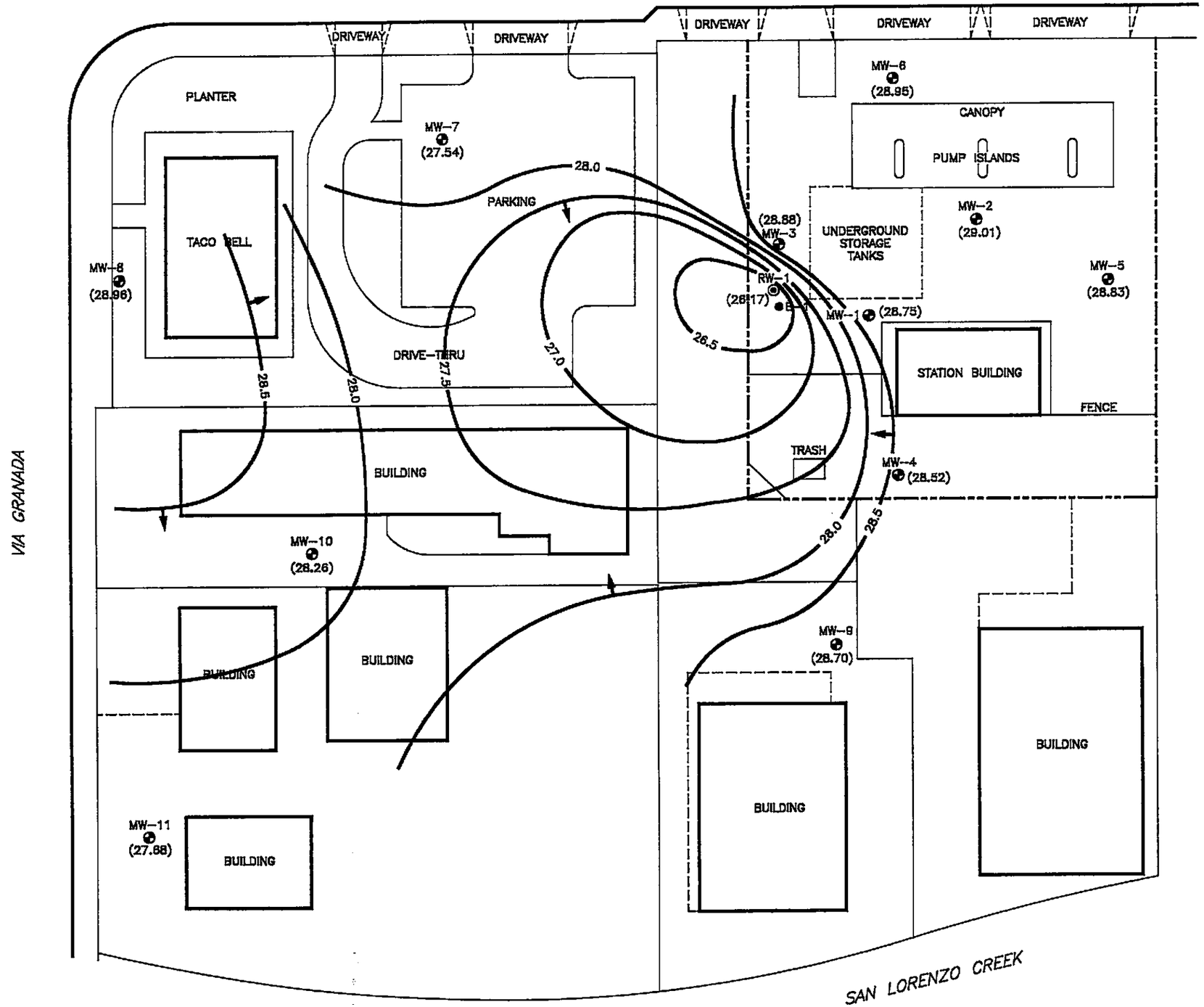
0 30 FT
SCALE

FIGURE 2
SITE VICINITY MAP

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

PROJECT NO. 0093-838	DRAWN BY I.H. 4/10/95
FILE NO. 93-838-1	PREPARED BY JWS
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (28.75) GROUND WATER ELEVATION ASSUMED RELATIVE TO MEAN SEA LEVEL
- —27.5— WATER TABLE CONTOUR ASSUMED RELATIVE TO MEAN SEA LEVEL
- ← GROUND WATER FLOW DIRECTION

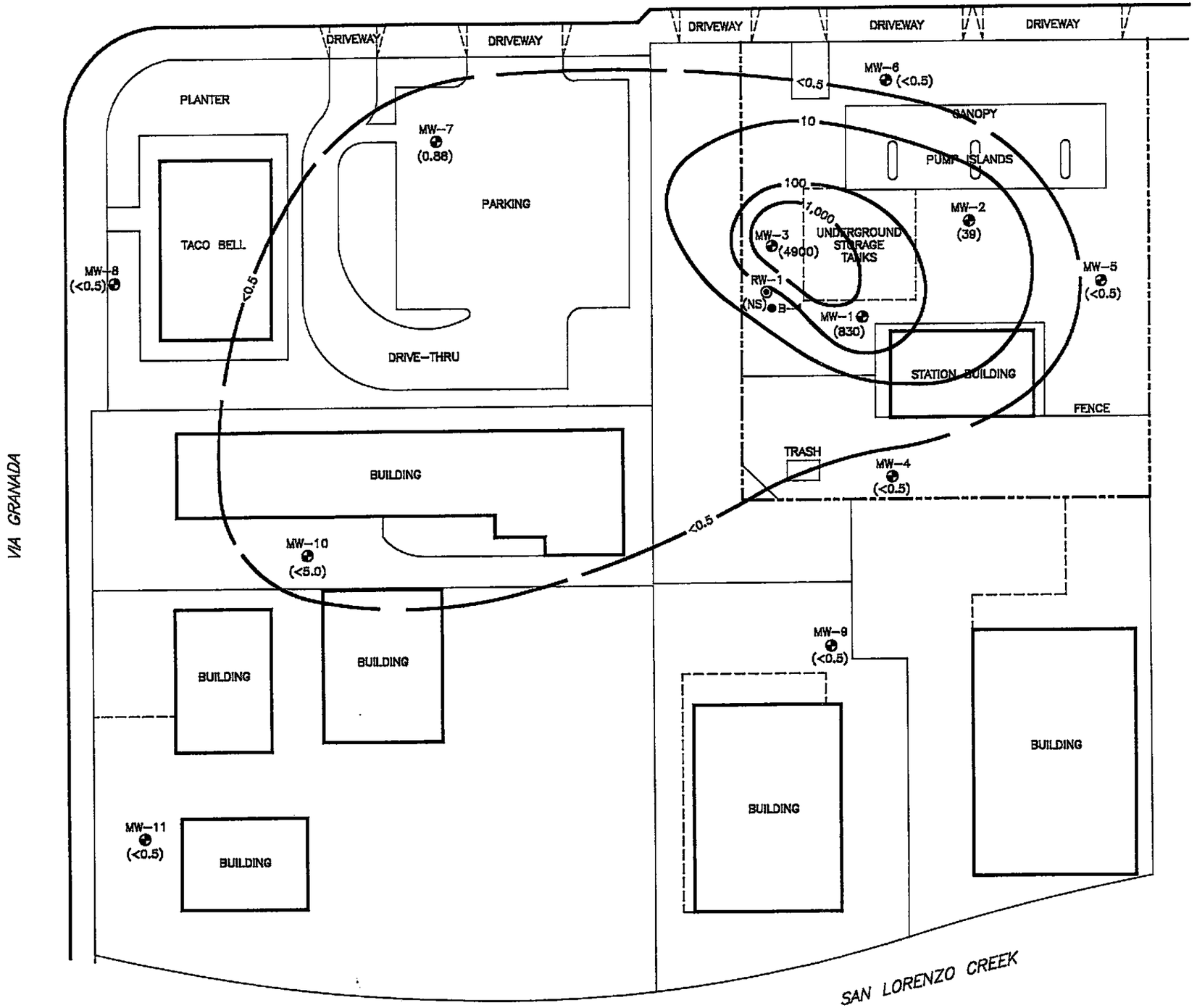
NOTE:
BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

0 30 FT
SCALE

FIGURE 3
WATER TABLE CONTOUR MAP – 3/15/95
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-936	DRAWN BY LH. 4/27/95
FILE NO. 93-936-1	PREPARED BY WLB
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (830) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- —10— BENZENE ISOCONCENTRATION IN 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 ISOCONCENTRATION MAP
3/15/95
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 0093-936	DRAWN BY I.H. 4/27/95
FILE NO. 93-936-1	PREPARED BY W.L.B.
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

1.0 GROUND WATER AND FREE-FLOATING PRODUCT DEPTH DETERMINATION

A water/petroleum product interface probe was used to determine free product thickness and ground water depth in each well. If a free floating product layer was not detected by the interface probe, the tip of the probe was subjectively analyzed for product sheen or detectable odor. All measurements and physical observations were then recorded on separate data sheets in the field.

2.0 SUBJECTIVE ANALYSIS OF GROUND WATER

Prior to the purging of ground water monitoring wells, a water sample was collected from the monitoring well for subjective analysis. The sample was retrieved by gently lowering a clean disposable bailer approximately one-half the bailer length past the air/liquid interface. The bailer was then retrieved and the sample contained within the bailer was examined for floating product levels, appearance of a petroleum product sheen, and any detectable petroleum product odor.

3.0 MONITORING WELL PURGING AND SAMPLING

Monitoring wells were purged using a centrifugal pump with new disposable tubing. Monitoring wells were sampled using new disposable bailers. Ground water removed from the wells was stored in 55-gallon barrels at the site. The purge water was treated by the remediation system. After pH, temperature, and purging, ground water levels were allowed to stabilize. Samples were collected in air-tight vials, appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. A chain-of-custody form was completed to ensure sample integrity. Ground water samples were transported to the laboratory and analyzed within the EPA-specified holding times for the requested analyses.

SITE SAMPLING/VISIT CHECKLIST

Site: BEACON 721
44 LEWELLING BLVD.
SAN LORENZO, CA

Date: 3-15-95

Delta Project No: D093-936-4.0015

Delta Computer No: —

Time Arrived at Site: 0945

Time Departed from Site: 1615

Wells Sampled: MW-1, 8, 10, 7, 9, 6, 5, 4, 11, 3

Order in Which Wells Were Sampled: ↑

Date and Time Samples Shipped: 3-15-95 1810

Carrier Samples Were Shipped By: Tay

Parameters to be Sampled For: BTEX/TPHg

Water Level Data Sheets Attached: Yes ✓ No ___

Sampling Data Sheets Attached: Yes ✓ No ___
Number of Sheets: 11

Chain of Custody Attached: Yes ✓ No ___

Any Problems or Comments: NO system samples
taken as per Todd Galati

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Ground Water Level Data

PROJECT: BEACON 721 DELTA PROJECT NO.: D093-936-4.0015

DATE: 3-15-95 RECORDED BY: Jay S. MEASURING DEVICE: Slope

Well No.	Time	Reference Elevation	Depth to G.W.	Elevation	Free Product Thickness	Physical Observations/Comments
MW-1	1043	43.167	14.92	28.75		31.20 TOTAL DEPTH
MW-2	1057	43.09	14.08	29.01		33.30
MW-3	1050	43.10	14.22	28.88		29.30
MW-4	1036	44.660	16.14	28.52		24.60
MW-5	1052	43.79	14.96	28.83		29.20
MW-6	1059	42.47	13.52	28.95		28.70
MW-7	1104	41.54	14.00	27.54		24.30
MW-8	1106	42.26	14.30	27.96		23.20
MW-9	1118	44.44	16.29	28.70		23.80
MW-10	1113	42.34	14.08	28.26		29.50
MW-11	1110	45.00	17.32	27.68		29.50 TOTAL DEPTH
RW-1	1046	43.17	17.00	26.17		pump in operation

* Measured from top of riser unless otherwise noted.

1012/3-89

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: 3/15/95 Time: 1540

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 14.92 ± Date: 3/15/95 Time 1043

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 9 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/sheen

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)

Comments: NO readings TAKEN - very Dirty & Sheen

4 well volumes = 10 gal

Transportation (thermal preservation) COOLER + ICE

Form completed by: TS Sampled by: TS

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: 3/15/95 Time: 1515

Wellhead assembly condition: ____ Good X 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) 14.08 ± Date: 3/15/95 Time 1057

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 Sample appearance clear

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	X1000 Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1507	66.7	6.2	0.8		0
1510	68.9	5.1	0.8		6
1511	67.1	6.1	0.8		12

Comments: 4 well volumes = 12 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: TS Sampled by: TS

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: 3/15/95 Time: 1550

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

Well Depth: 29.30 ± below top of casing Casing diameter: 2 inches

Depth to water (below top of casing): 14.22 ± Date: 3/15/95 Time: 1052

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

Purging method: ____ Submersible pump ____ Bailer V 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/sheen

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)

Comments: No readings taken due to sheen & dirty water.

4 well volumes = 10 gal

Temperature (thermal preservation): COOLER & ICE

Form completed by: JS Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-4 Project Name: BEACON 72 Project No. 0092-936

Location (address) 44 LEWELLING BLVD SAN LORENZO, CA

Date Sampled: 3 / 15 / 95 Time: 1455

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 16.14 ft. Date: 3 / 15 / 95 Time 1036

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; TOHG Sample appearance clear

Note any sampling problems NONE

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	X Conductance (mmhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1451	70.7	6.8	1.7		0
1452	69.4	7.1	1.8		2
1455	68.9	7.1	1.6		5

Comments: 4 well volumes = 5.5 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

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: 3/15/95 Time: 1440

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 14.96 ± Date: 3/15/95 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 clear

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductivity (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1435	73.9	7.9	22		0
1436	71.2	7.8	20		4
1437	70.5	7.8	20		9

Comments: 4 well volumes = 9 gal

Transportation (thermal preservation) cooler & ice

Form completed by: JS Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-6 Project Name: BEACON #21 Project No. 0093-936

Location (address) 44 LEWELLING BLVD SAN LORENZO CA

Date Sampled: 3/15/95 Time: 1418

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 13.52 ± Date: 3/15/95 Time 1059

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 ____ 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 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)
1413	66.6	7.6	2.7		0
1419	67.9	7.1	2.3		5
1415	67.3	7.3	2.9		10

Comments: 4 well volumes = 10 Gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

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: 3 / 15 / 95 Time: 1350

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) 14.00 ft. Date: 3 / 15 / 95 Time 1101

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 clear

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	X1000 Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
345	74.7	7.7	2.7		0
1346	71.6	7.4	3.2		3
1347	71.7	7.5	3.1		6

Comments: 4 well volumes = 6.5 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-8 Project Name: BEACON 721 Project No. 2093-936

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

Date Sampled: 3/15/95 Time: 1320

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

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 14.30 ± Date: 3/15/95 Time 1106

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

Purging method: ____ Submersible pump ____ Bailer V 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 clear

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)
1316	68.3	8.1	1.8		0
1317	68.1	7.9	1.2		2
1318	67.6	7.7	1.1		5

Comments: 4 well volumes = 5.5 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

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

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

Date Sampled: 3 / 15 / 95 Time: 1405

Wellhead assembly condition: 4 Good ____ Fair ____ Poor (If poor, see comments)

Equipment Replaced: ____ bolts ____ locks ____ locking cap

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

Depth to water (below top of casing) 11.29 ± Date: 3 / 15 / 95 Time 1118

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 clear

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	x1000 Conductance (mmos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1401	72.1	6.7	2.8		0
1402	68.9	6.7	2.3		2
1407	68.1	6.9	2.7		5

Comments: 4 well volume = 5 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS. Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-10 Project Name: BEACON 72 Project No. D093-936

Location (address) 44 LEWELLING BLVD SAN LEANDRO CA

Date Sampled: 3/15/95 Time: 1335

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 2 inches

Depth to water (below top of casing) 14.08 ft. Date: 3/15/95 Time 1113

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 clear

Note any sampling problems Lock

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	X1000 Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1329	72.0	7.4	1.1		0
1330	68.5	7.1	1.9		5
1331	68.9	7.2	2.1		10

Comments: 4 well volumes = 10 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

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: 3 / 15 / 95 Time: 1305

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 2 inches

Depth to water (below top of casing) 17.32 ft Date: 3 / 15 / 95 Time ~~[illegible]~~ 11

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 (circled) or previously used) was used to purge well

Sampling method: X Disposable bailer ____ Sampling port

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

Note any sampling problems none

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	x1000 Conductance (umhos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from Well (gallons)
1301	69.5	8.3	3.1		0
1302	68.0	8.1	1.8		4
1303	67.5	8.0	1.8		8

Comments:

4 well volumes = 8 gal

Transportation (thermal preservation) COOLER & ICE

Form completed by: JS Sampled by: JS

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# RW-1 Project Name: BEACON 721 Project No. 1093-936

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 29.50 ft below top of casing Casing diameter _____ _____ inches

Depth to water (below top of casing) 17.00 ft Date: 3/15/95 Time 1046

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

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

At least _____ well volumes have been evacuated before sampling.

Tubing (type: System Hose). (new or ~~previously used~~) was used to purge well

Sampling method: _____ Disposable bailer X Sampling port

Samples collected 2 VOAS FOR TPH9 & BTEX 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: NO systems SAMPLES TAKEN AS PER Todd Grant.

Transportation (thermal preservation) COOLER + ICE

Form completed by: TS Sampled by: TF

ENCLOSURE C

Ground Water Sample Laboratory Reports

WEST LABORATORY

March 21, 1995
Sample Log 11547

Todd Galati
Delta Environmental Consultants, Inc.
3330 Data Drive
Rancho Cordova, CA 95670

Subject: Analytical Results for 11 Water Samples
Identified as: BEACON 721 (Proj. # DO93-936)
Received: 03/15/95

Dear Mr. Galati:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on March 21, 1995 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:

Stewart Podolsky
Senior Chemist

WEST LABORATORY

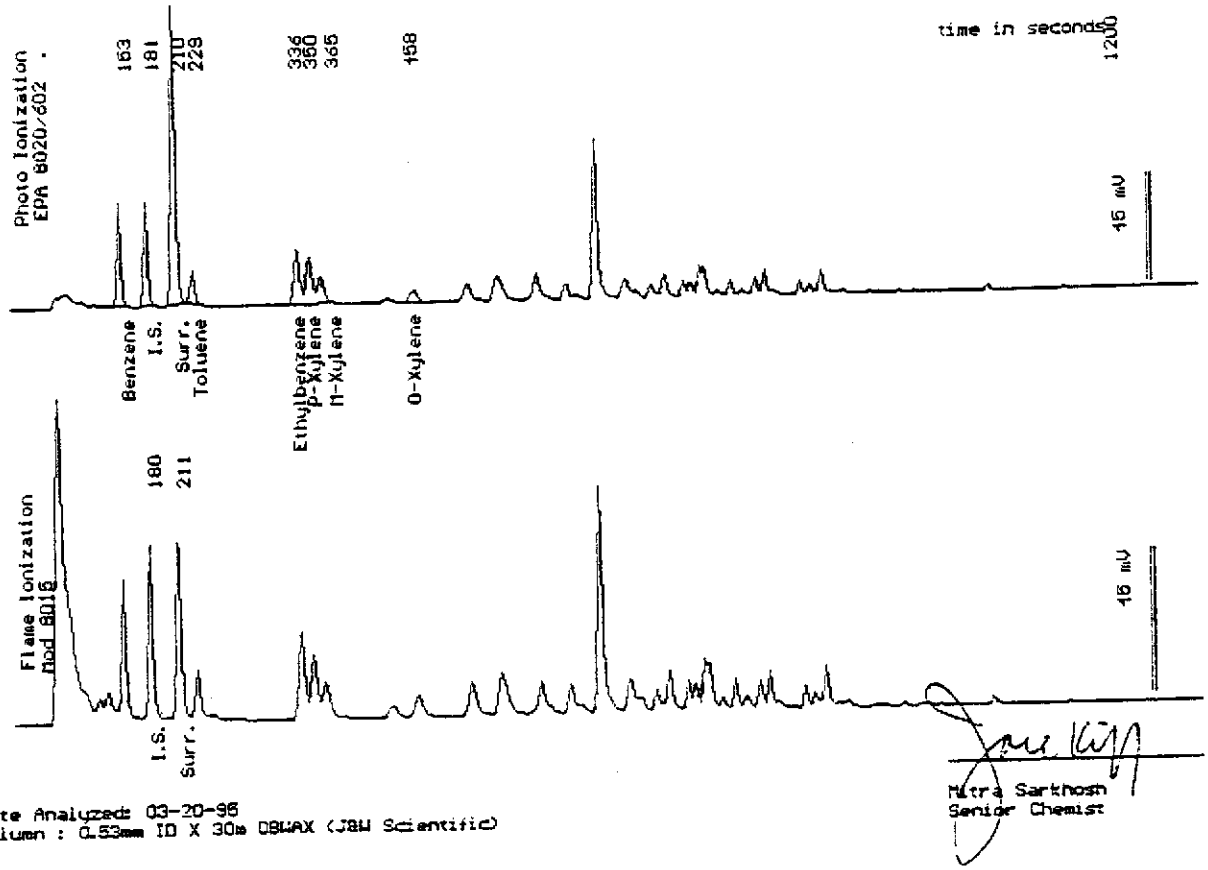
Sample Log 11547

11547-10

Sample: **MW-1**

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:50 QC Batch : 4116P
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(25)	830
Toluene	(25)	310
Ethylbenzene	(25)	840
Total Xylenes	(25)	1200
TPH as Gasoline	(2500)	17000
Surrogate Recovery		87 %



Date Analyzed: 03-20-96
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

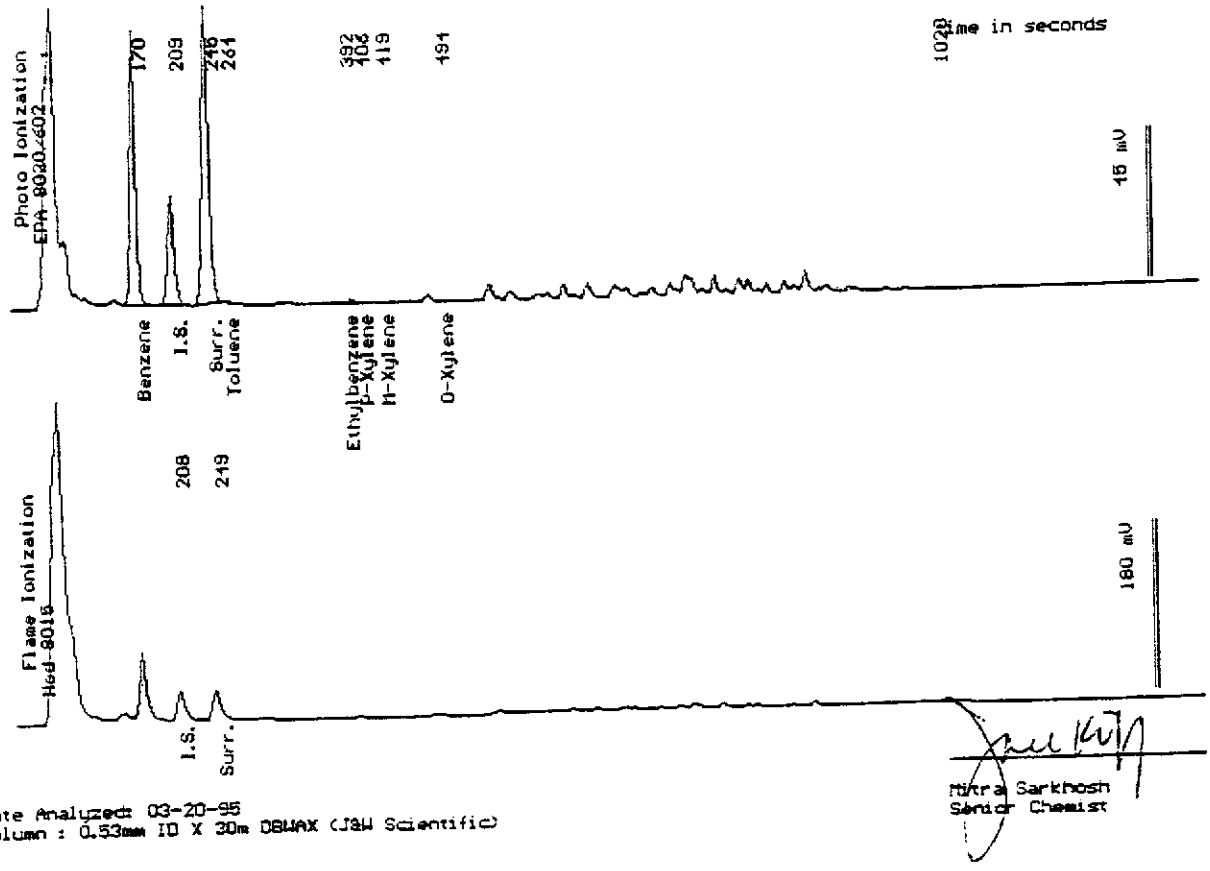
Sample Log 11547

11547-09

Sample: MW-2

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116L
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	39
Toluene	(.50)	<.50
Ethylbenzene	(.50)	.53
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	730
Surrogate Recovery		97 %



Date Analyzed: 03-20-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

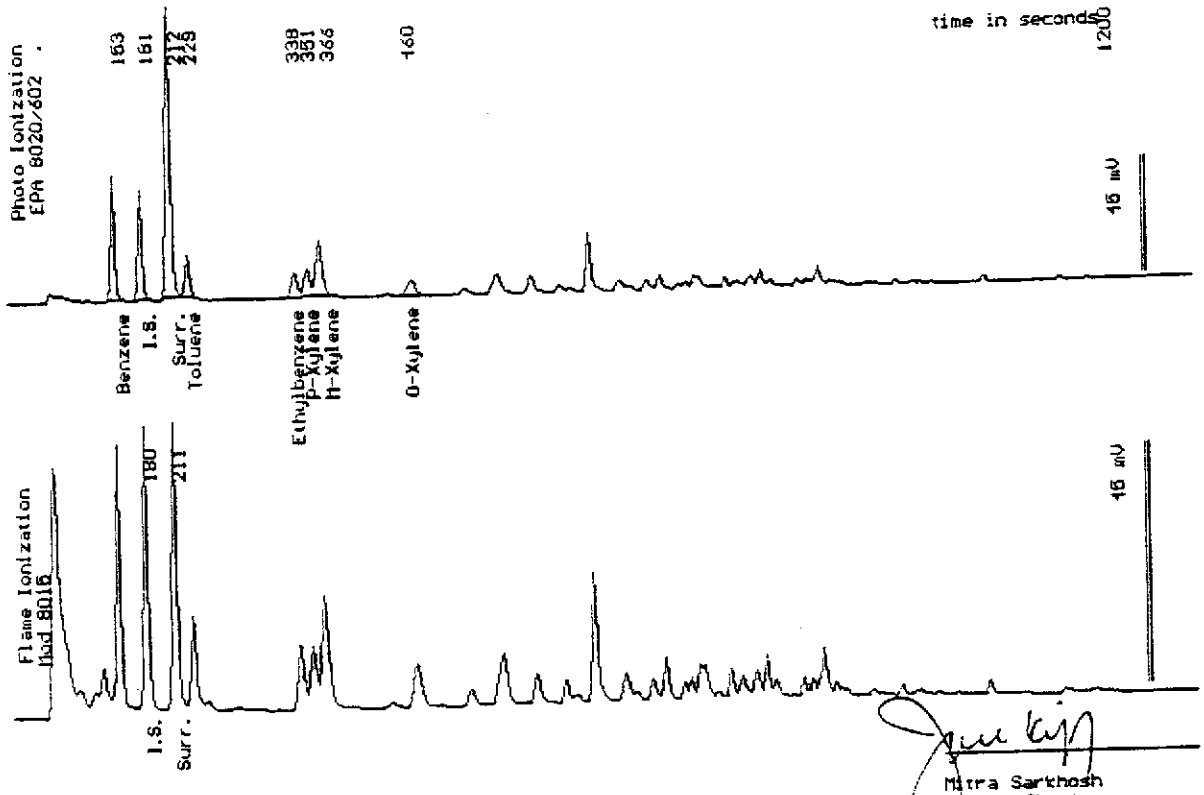
Sample Log 11547

11547-11

Sample: **MW-3**

From : BEACON 721 (Proj. # D093-936)
Sampled : 03/15/95
Dilution : 1:250 QC Batch : 4116P
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(130)	4900
Toluene	(130)	1900
Ethylbenzene	(130)	1800
Total Xylenes	(130)	7100
TPH as Gasoline	(13000)	58000
Surrogate Recovery		87 %



Date Analyzed: 03-20-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarthosh
Senior Chemist

WEST LABORATORY

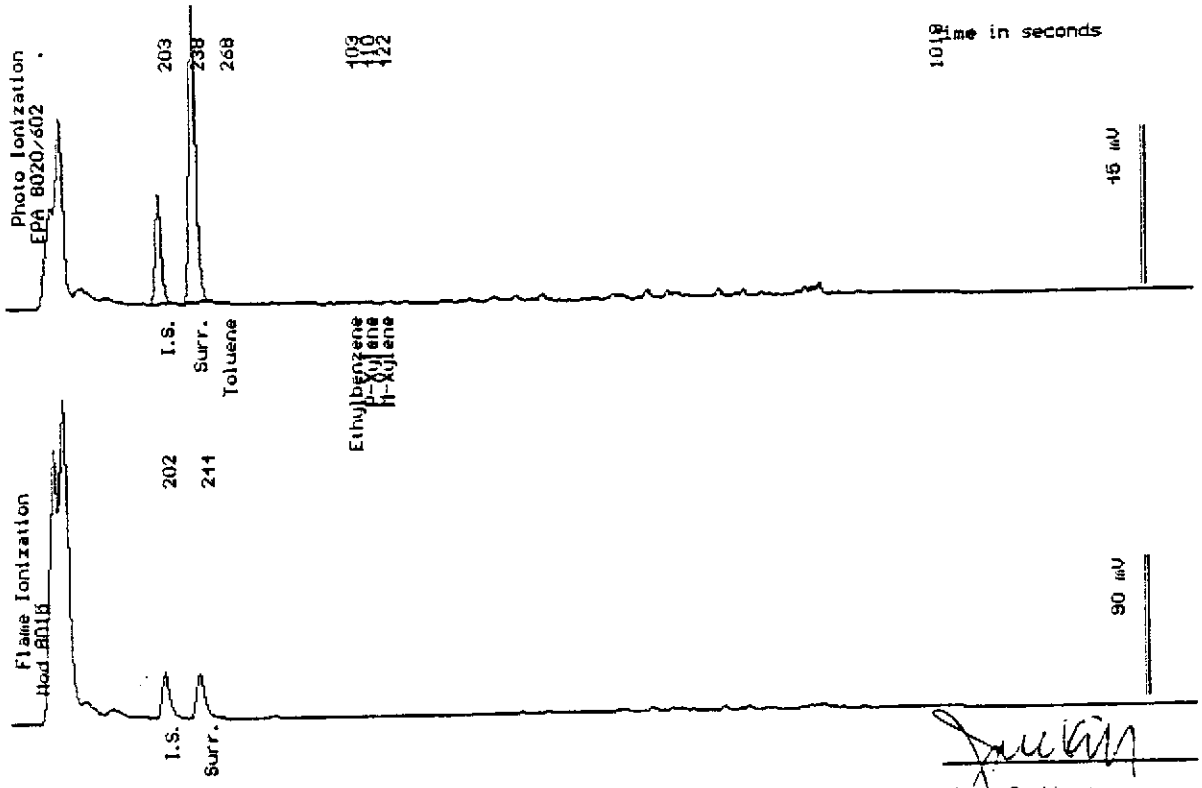
Sample Log 11547

11547-08

Sample: **MW-4**

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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)	500
Surrogate Recovery		100 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

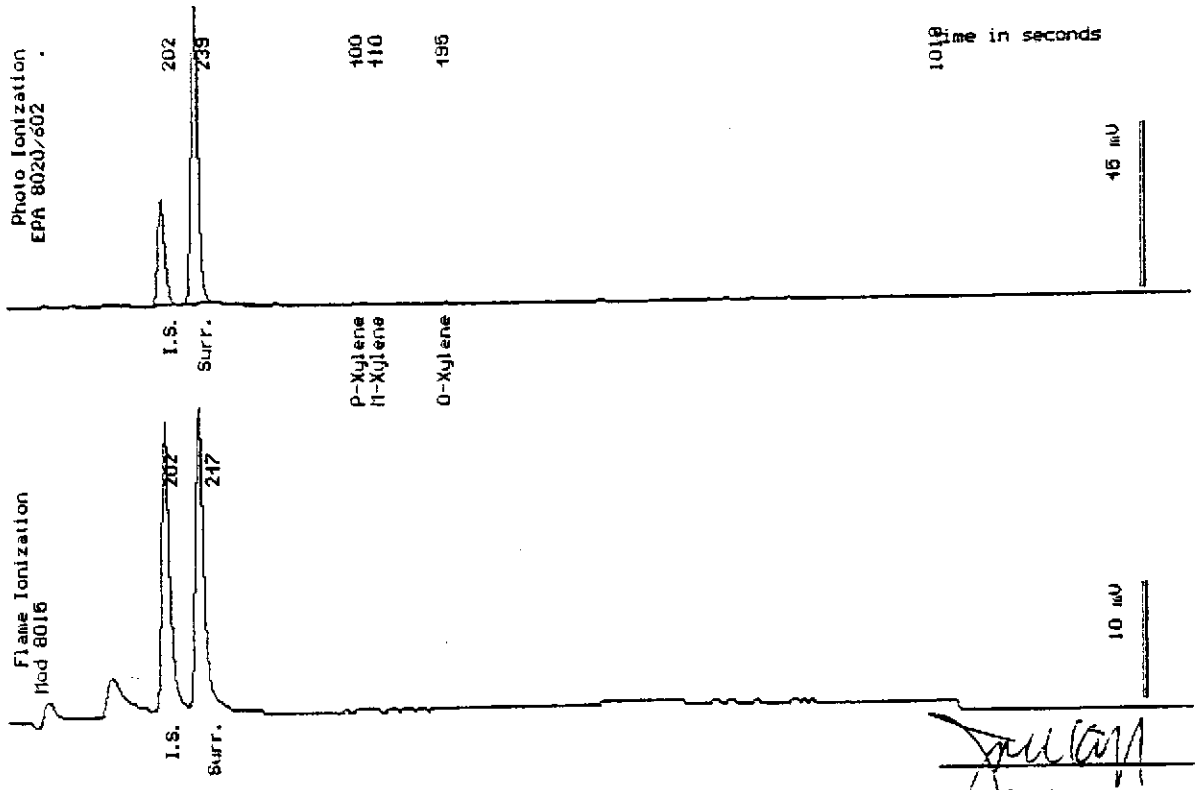
Sample Log 11547

11547-07

Sample: MW-5

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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		92 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

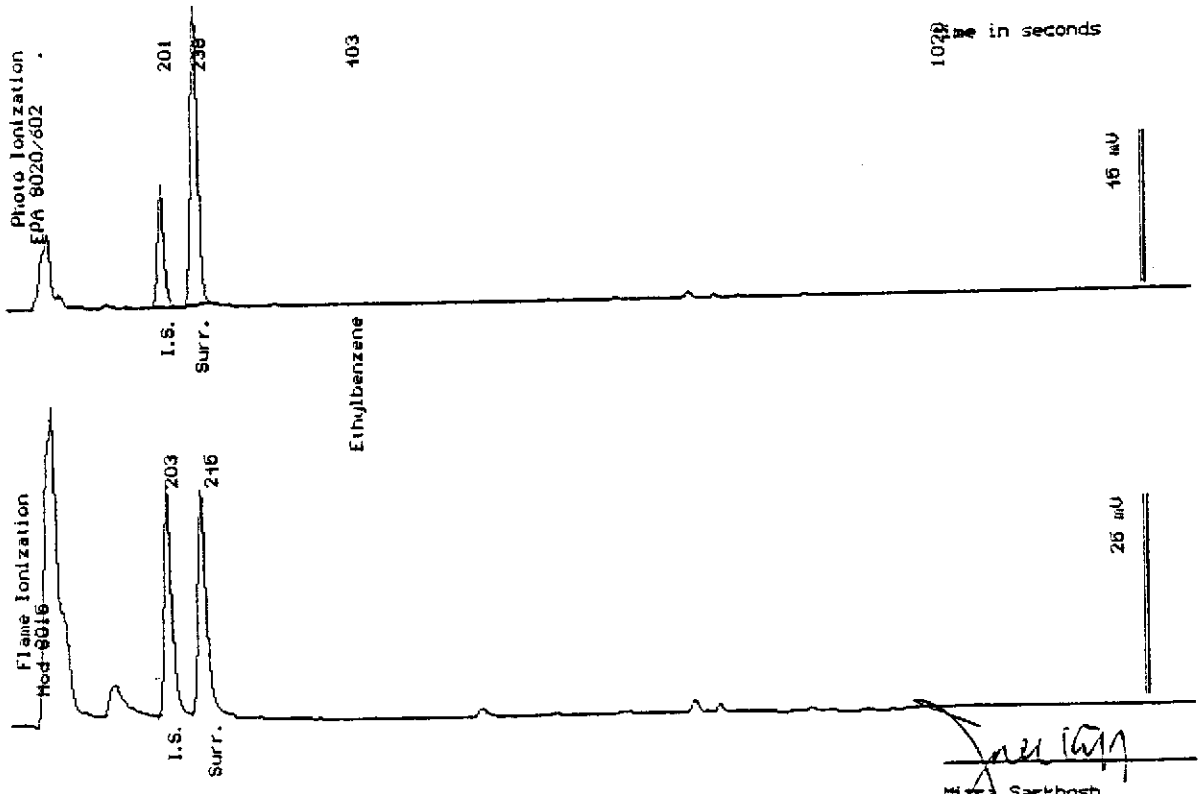
Sample Log 11547

11547-06

Sample: **MW-6**

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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		96 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

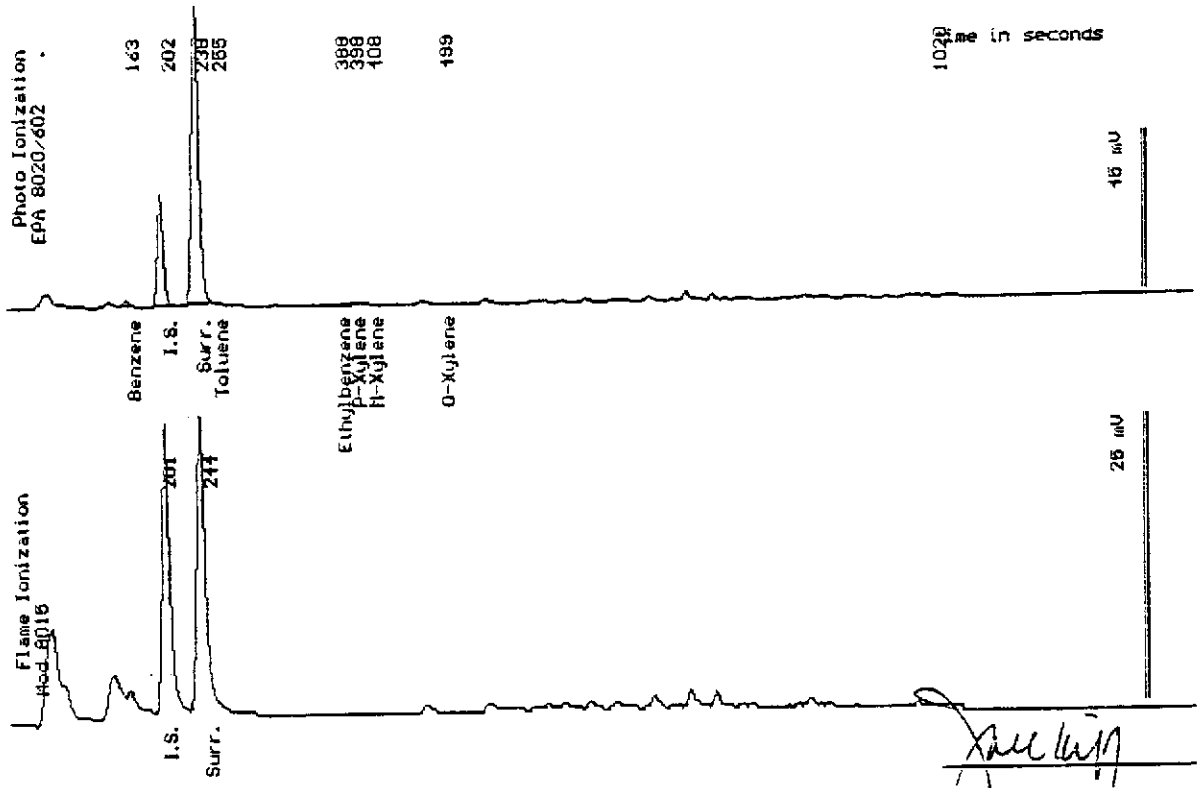
Sample Log 11547

11547-04

Sample: MW-7

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116L
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	.88
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	70
Surrogate Recovery		103 %



Date Analyzed: 03-20-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

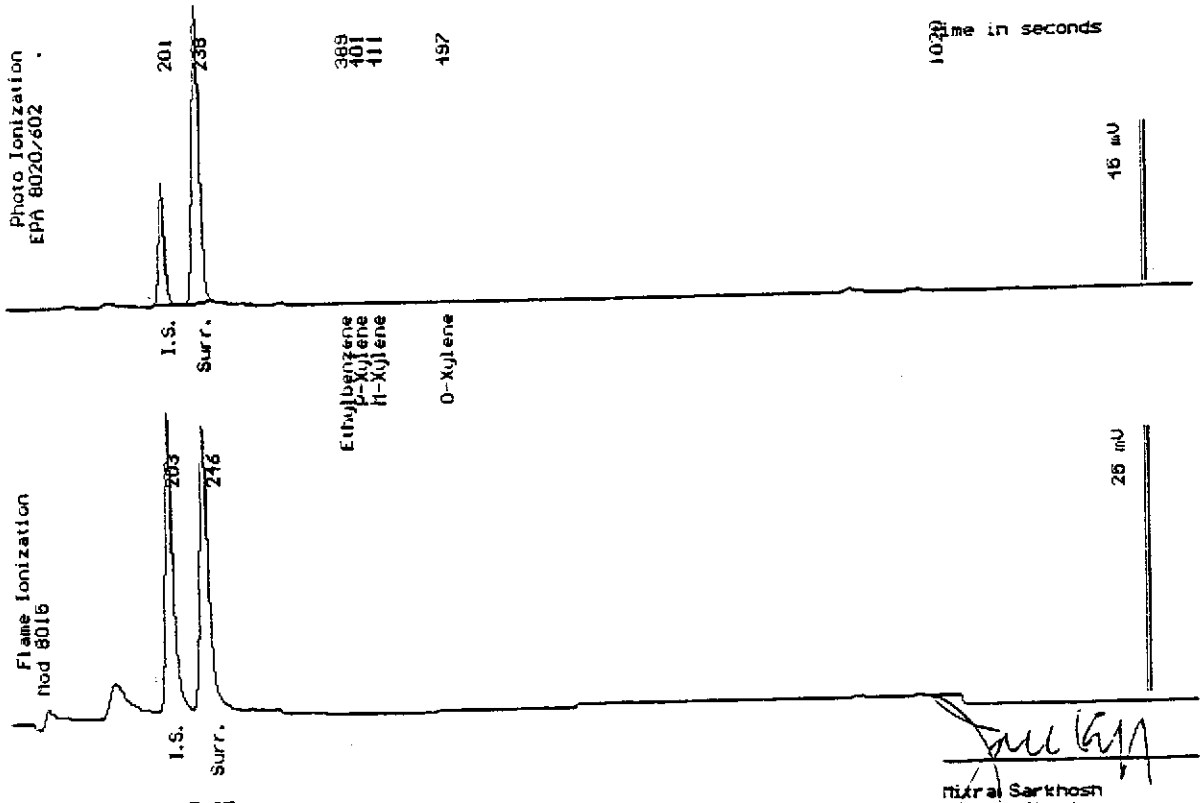
Sample Log 11547

11547-02

Sample: MW-8

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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		103 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

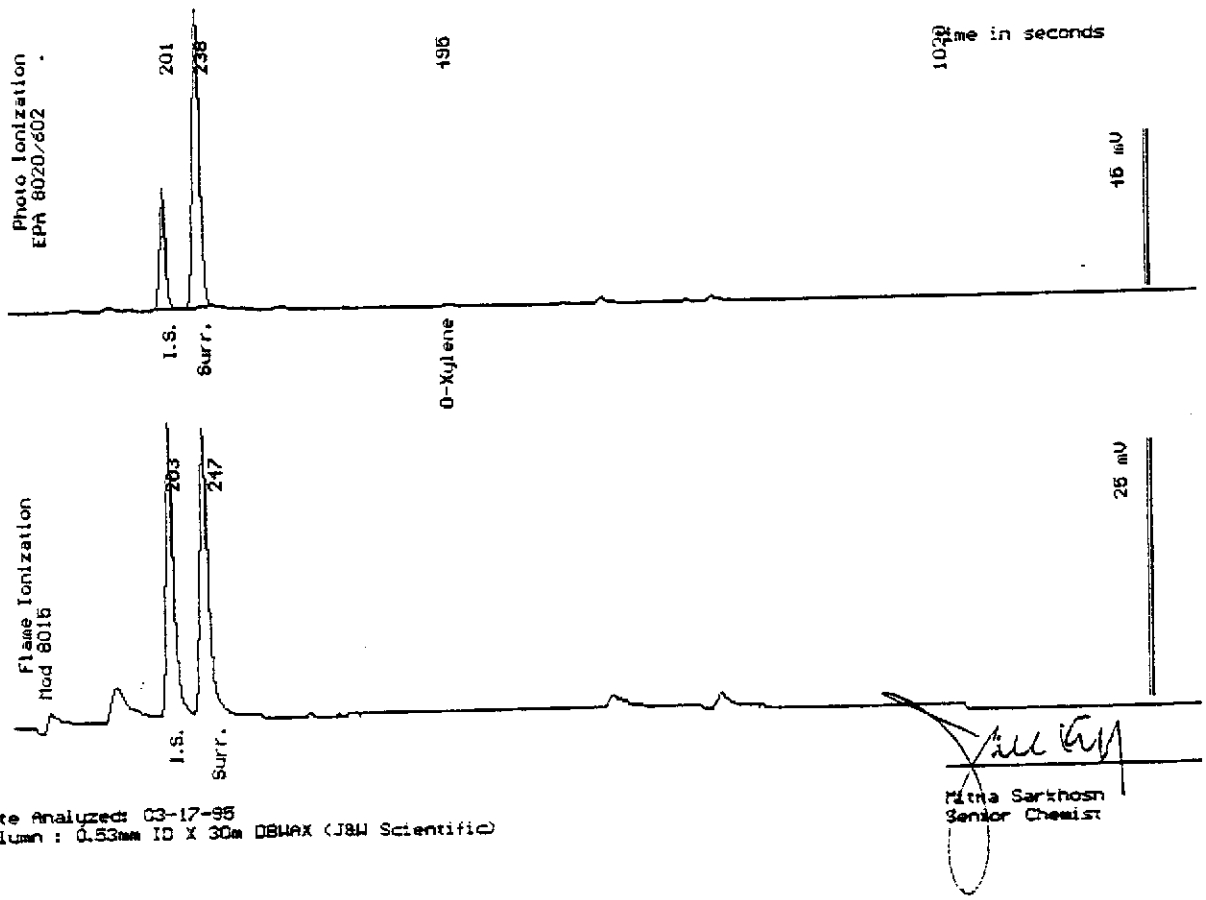
Sample Log 11547

11547-05

Sample: **MW-9**

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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		103 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

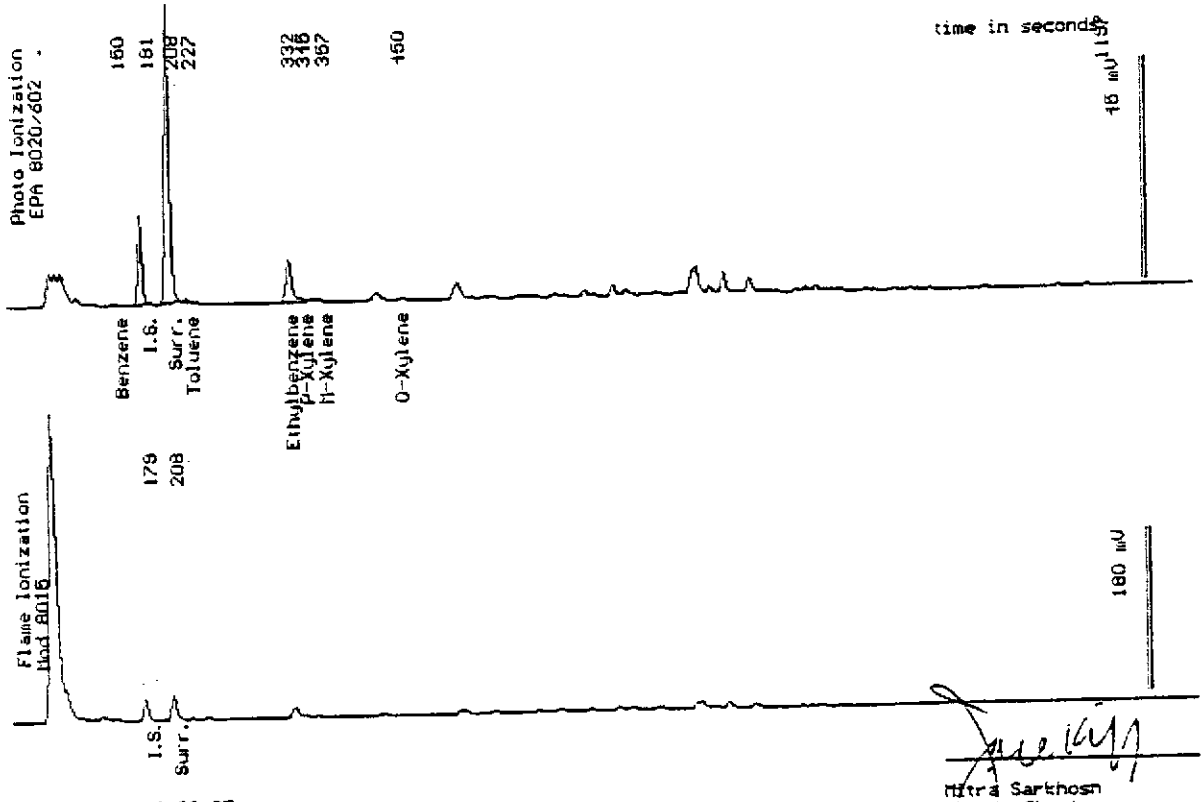
Sample Log 11547

11547-03

Sample: **MW-10**

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:10 QC Batch : 41160
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(5.0)	<5.0
Toluene	(5.0)	6.7
Ethylbenzene	(5.0)	150
Total Xylenes	(5.0)	23
TPH as Gasoline	(500)	7200
Surrogate Recovery		104 %



Date Analyzed: 03-20-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

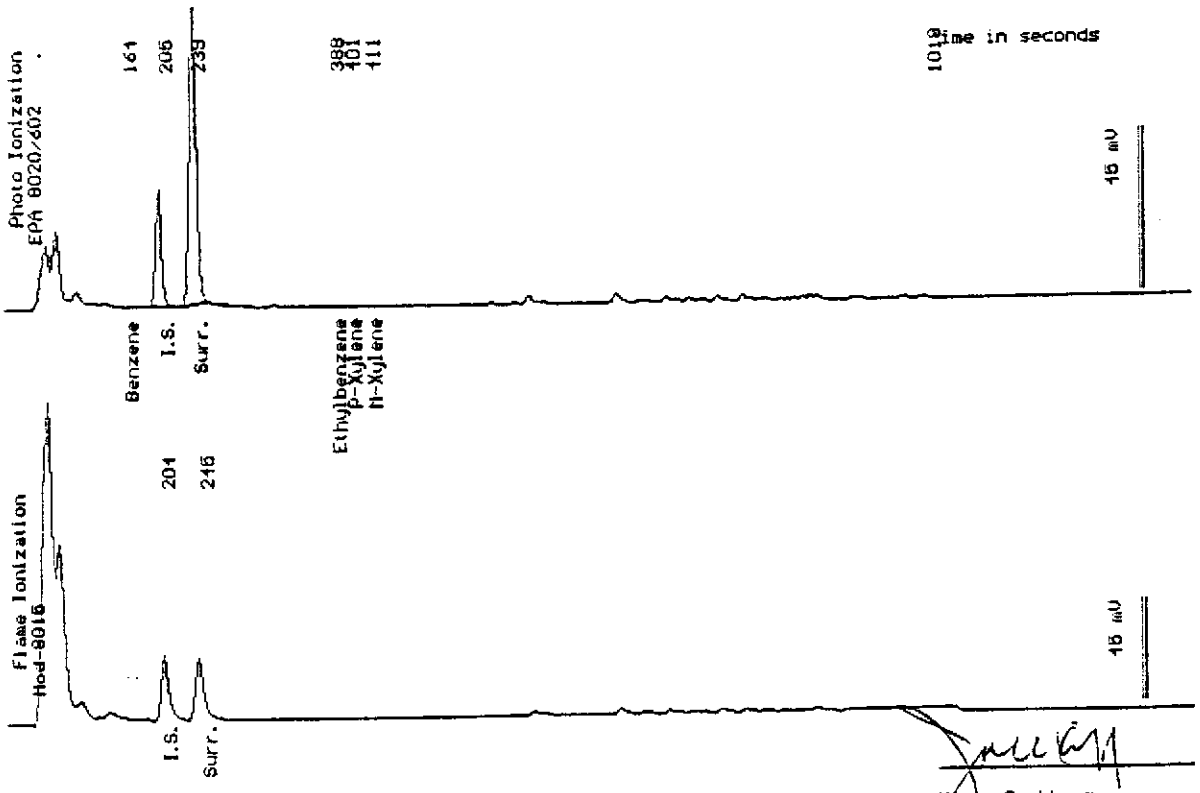
Sample Log 11547

11547-01

Sample: MW-11

From : BEACON 721 (Proj. # DO93-936)
Sampled : 03/15/95
Dilution : 1:1 QC Batch : 2116J
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)	340
Surrogate Recovery		100 %



Date Analyzed: 03-17-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

Ultramar Inc.

CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	721
Project No.	D093-936
Project Location	SAN LORENZO
Sampler (Print Name)	JAY STOOPS
Sampler (Signature)	Jay Stoops
Affiliation	DELTA ENVIRONMENTAL

Date: Form No. 1 of 2

WEST LABS - DAVIS

STANDARD TAT

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW-11	3-15-95	1305		X	X			
MW-8		1320						
MW-10		1335						
MW-7		1350						
MW-9		1405						
MW-6		1418						
MW-5		1440						
MW-4		1455						

	Date	Time
Relinquished by: (Signature/Affiliation) Jay Stoops / DELTA	3-15-95	1800
Relinquished by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time

	Date	Time
Received by: (Signature/Affiliation)		
Received by: (Signature/Affiliation)	Date	Time
Received by: (Signature/Affiliation) John Kelso	03/15/95	1810

Report To: TODD GALATI / DELTA
(916) 638-2085

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

32 d003 1/00

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

Ultramar Inc.

CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No. 2 of 2
721	Jay Stoops		WEST LAB- DAVIS
Project No.	Sampler (Signature)		STANDARD TAT
D093-936	[signature]		
Project Location	Affiliation		
SAN LORENZO	DELTA ENVIRONMENTAL		

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)						No. of Containers	REMARKS
MW-2	3-15-95	1515		X	X								
MW-1	↓	1540		↓	↓								
MW-3	↓	1550		↓	↓								

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / Delta	3-15-95	1810			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			[signature]	03/15/95	1810

Report To: TODD GALATI / DELTA

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

02 8003 1/90

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WEST LABORATORY

March 24, 1995
Sample Log 11575

Todd Galati
Delta Environmental Consultants, Inc.
3330 Data Drive
Rancho Cordova, CA 95670

Subject: Analytical Results for 3 Water Samples
Identified as: Beacon 721 (Proj. # DO93-936)
Received: 03/22/95

Dear Mr. Galati:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on March 24, 1995 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 11575

11575-01

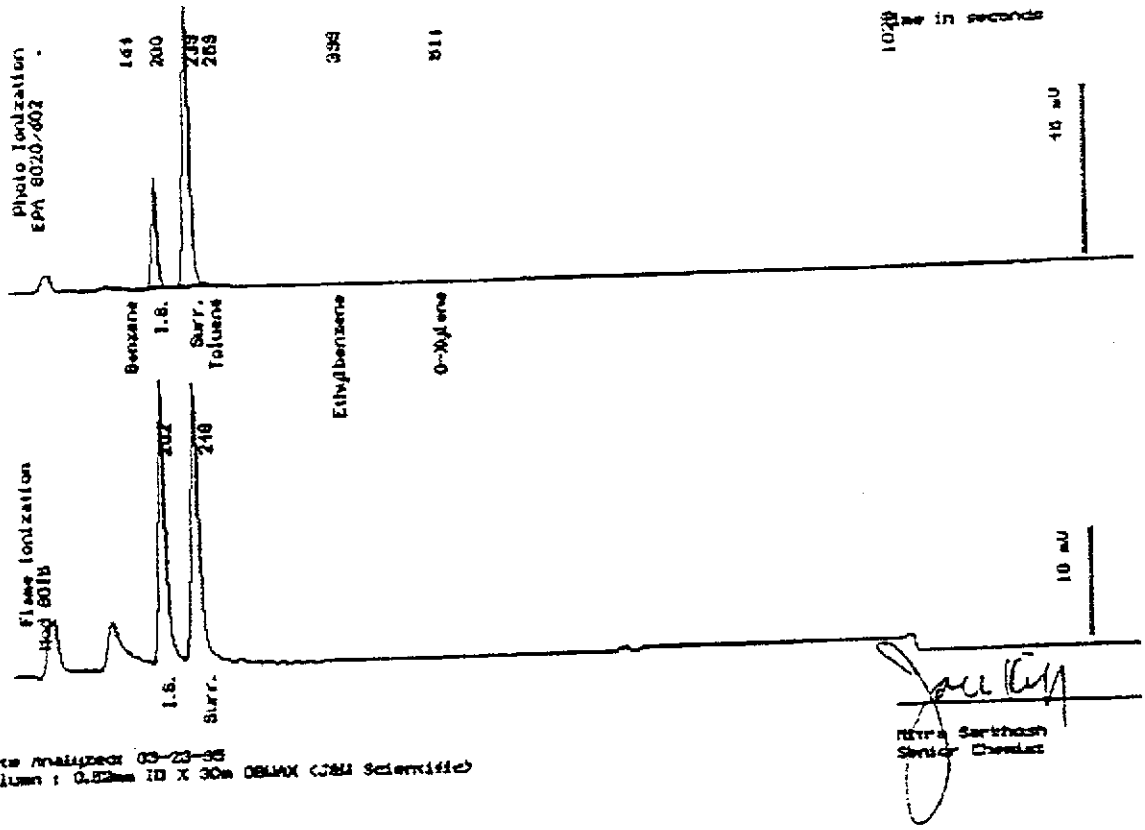
Sample: influent

From : Beacon 721 (Proj. # D093-936)
Sampled : 03/22/95
Dilution : 1:1
Matrix : Water

QC Batch : 2116S

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)	
		106 %

Surrogate Recovery



Date Analyzed: 03-23-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Nitra Santhosh
Senior Chemist

WEST LABORATORY

Sample Log 11575

11576-02

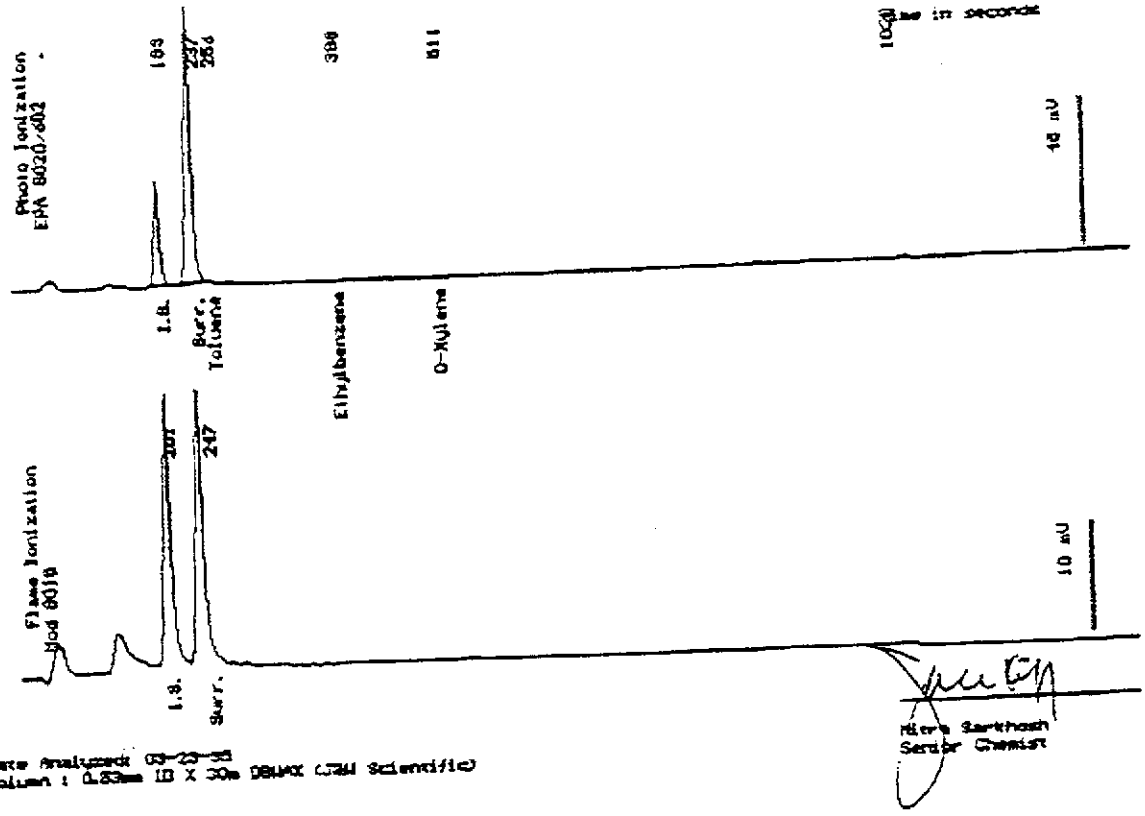
Sample: MID

From : Beacon 721 (Proj. # D093-936)
Sampled : 03/22/95
Dilution : 1:1
Matrix : Water

QC Batch : 2116S

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)	
		104 %

Surrogate Recovery



Date Analyzed 03-29-95
Column : 0.53mm ID X 30m DB-WAX (J&W Scientific)

Hiren Sarkhosh
Senior Chemist

WEST LABORATORY

Sample Log 11575

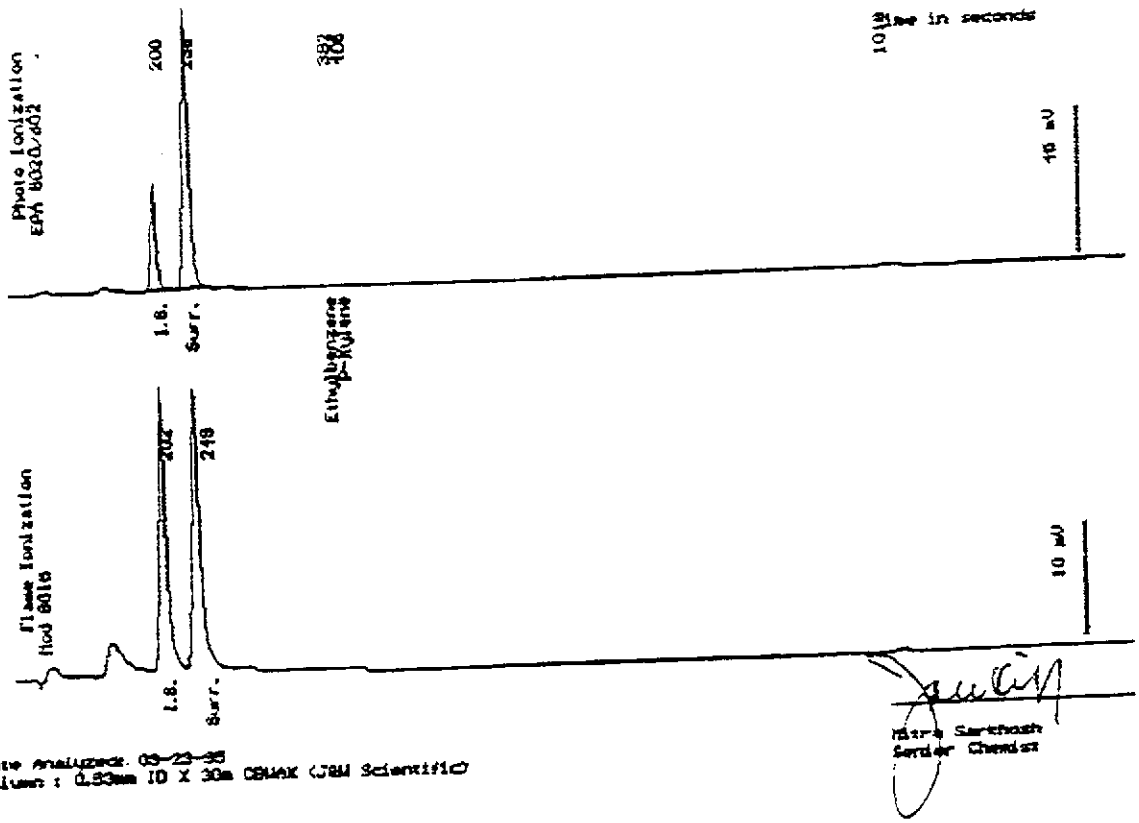
11575-03

Sample: effluent

From : Beacon 721 (Proj. # D093-936)
Sampled : 03/22/95
Dilution : 1:1
Matrix : Water

QC Batch : 2116S

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		104 %



Date Analyzed: 03-23-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mark Sarkhosh
Senior Chemist

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)			ANALYSES						Date	Form No.
721	Martin W. Morgan									3/22/95	1 of 1
Project No.	Sampler (Signature)									West labs	
D093-936										916 753 9500	
Project Location	Affiliation										
San Lorenzo, CA	Delta									Standard turn	
Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	COD	TSS		No. of Containers	REMARKS
Influent	3/22/95	0855		X	X					3	
MID	3/22/95	0852		X	X					3	
Effluent	3/22/95	0848		X	X		X	X		6	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Delta	3/22/95	1134			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			WEST	3/22/95	1134

Report To: Todd Galati

Phone 916 638 2085 Fax: 8585

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

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WEST LABORATORY

April 17, 1995
Sample Log 11723

Todd Galati
Delta Environmental Consultants, Inc.
3330 Data Drive
Rancho Cordova, CA 95670

Subject: Analytical Results for 4 Water Samples
Identified as: Beacon 721 (Proj. # DO93-936)
Received: 04/11/95

Dear Mr. Galati:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on April 17, 1995 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

IEST LABORATORY

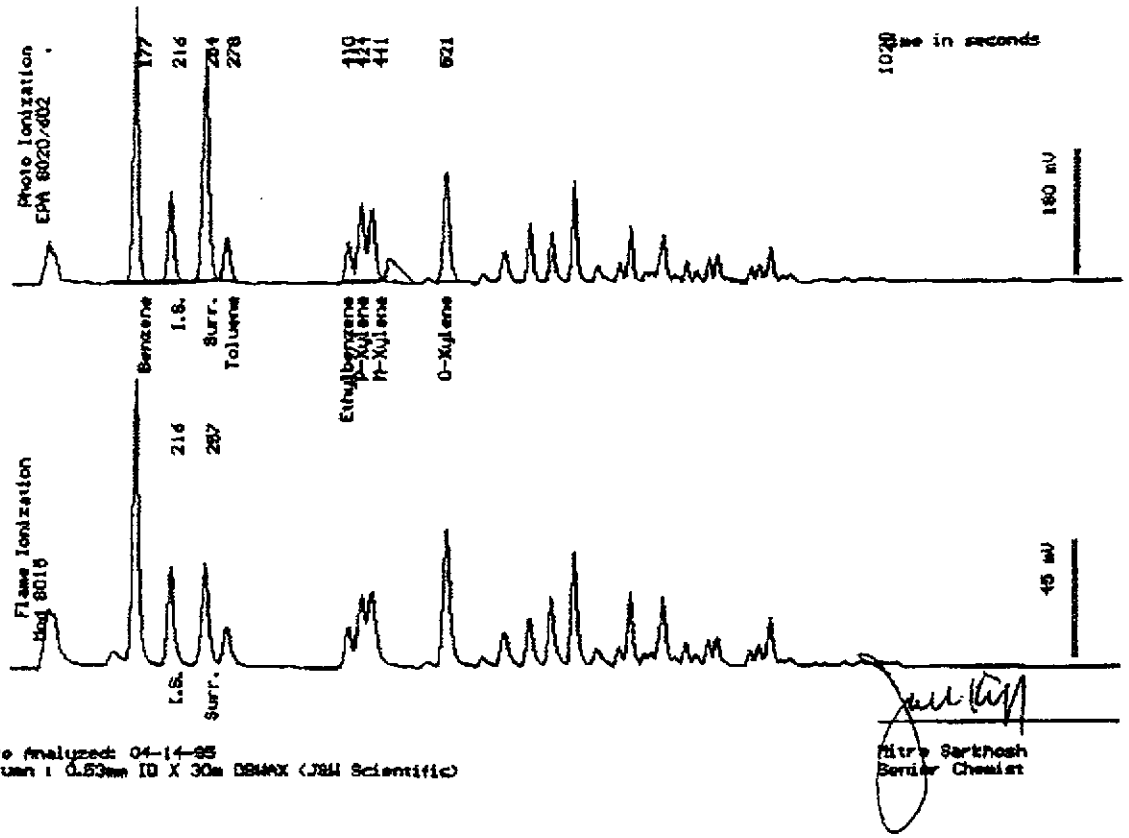
Sample Log 11723

11723-01

Sample: RW-1

From : Beacon 721 (Proj. # DO93-936)
Sampled : 04/10/95
Dilution : 1:1 QC Batch : 2118K
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	54
Toluene	(.50)	11
Ethylbenzene	(.50)	11
Total Xylenes	(.50)	69
TPH as Gasoline	(50)	410
Surrogate Recovery		99 %



Date Analyzed: 04-14-95
Column : 0.53mm ID X 30m DB624X (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

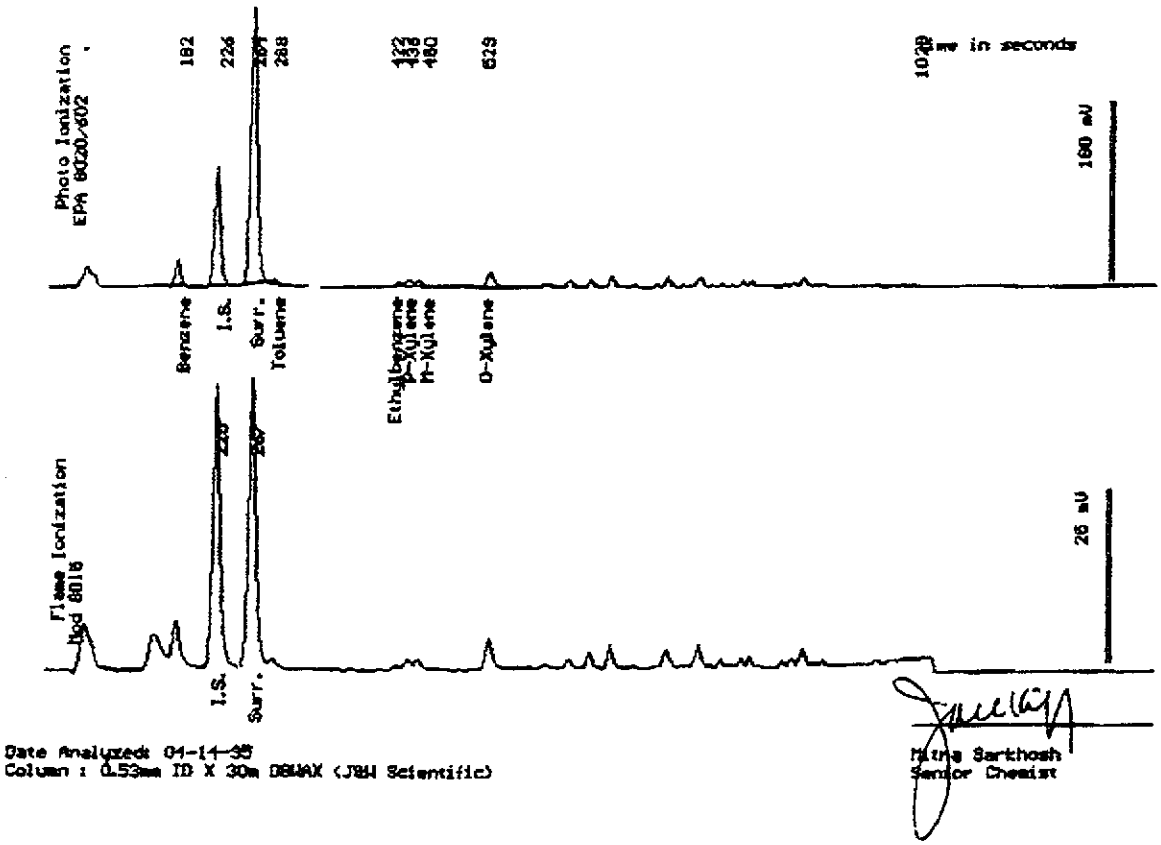
WEST LABORATORY

Sample Log 11723
11723-04

Sample: **INFLUENT**

From : Beacon 721 (Proj. # DO93-936)
Sampled : 04/10/95
Dilution : 1:1 QC Batch : 2118K
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	3.9
Toluene	(.50)	.57
Ethylbenzene	(.50)	.65
Total Xylenes	(.50)	5.5
TPH as Gasoline	(50)	<50
Surrogate Recovery		102 %



Date Analyzed 04-14-95
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarthosh
Senior Chemist

WEST LABORATORY

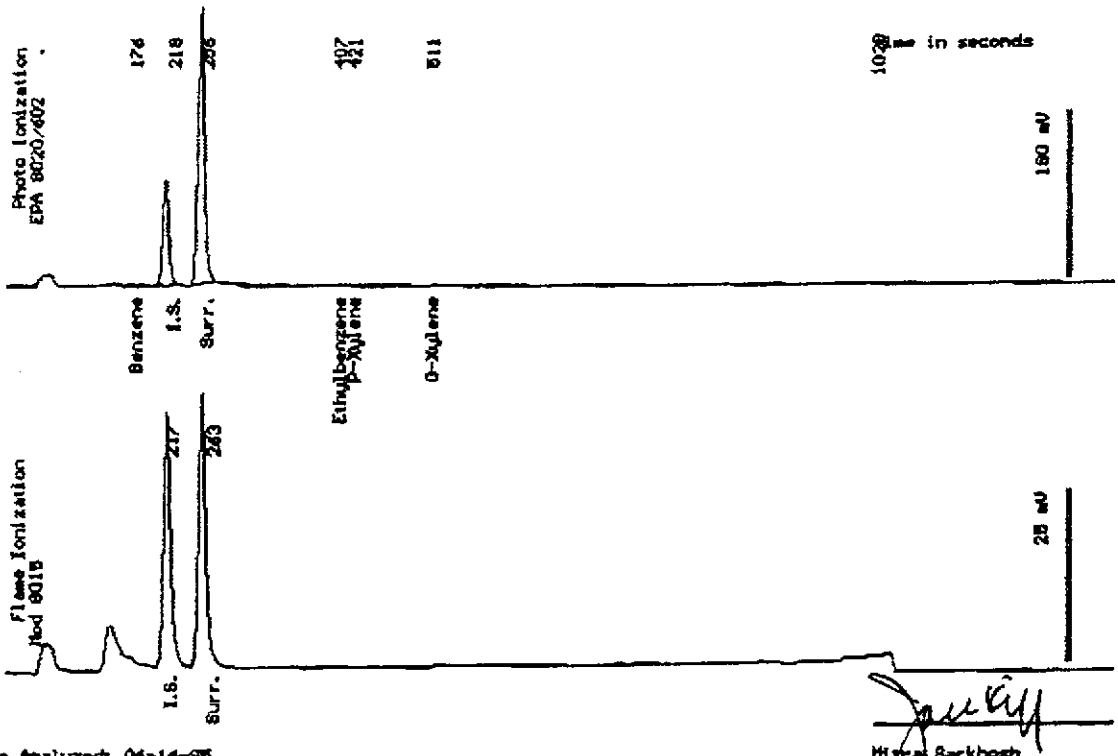
Sample Log 11723

11723-03

Sample: MID

From : Beacon 721 (Proj. # DO93-936)
Sampled : 04/10/95
Dilution : 1:1 QC Batch : 2118K
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		101 %



Date Analyzed: 04-14-95
Column : 0.53mm ID X 30m DB-WAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

WEST LABORATORY

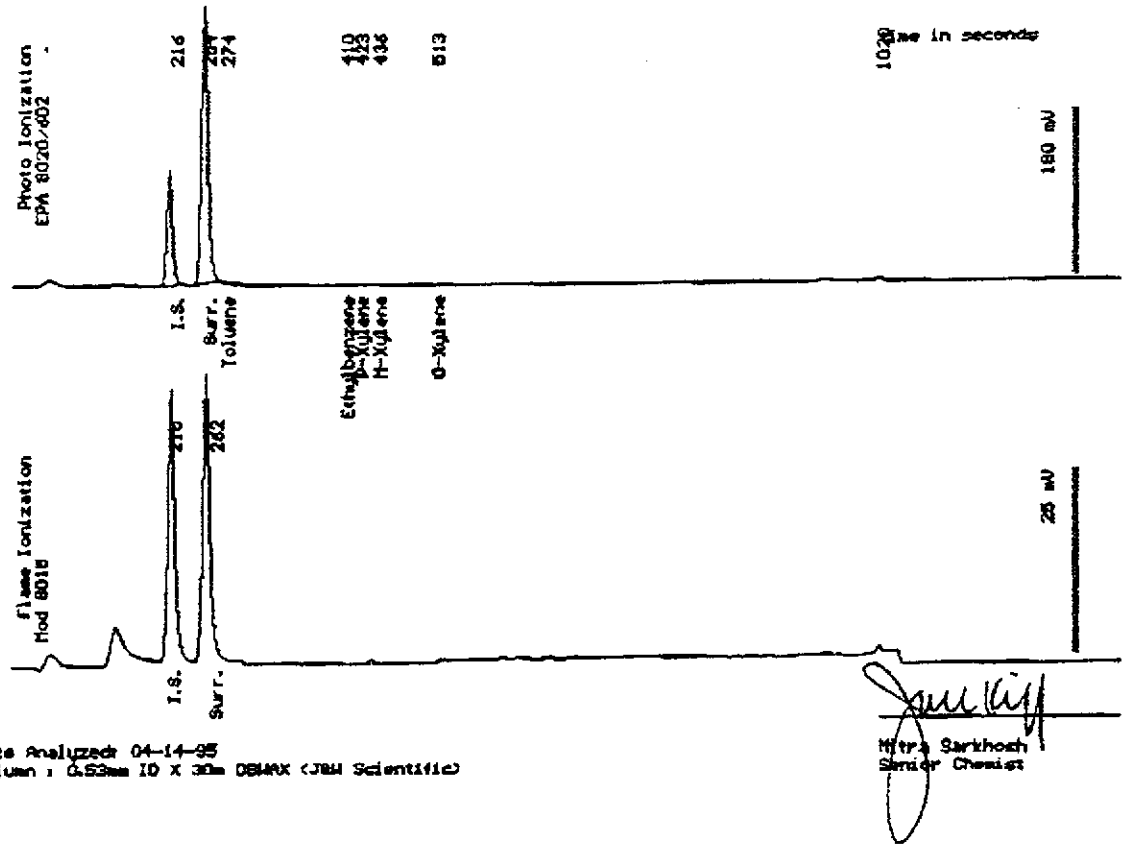
Sample Log 11723

11723-02

Sample: EFFLUENT

From : Beacon 721 (Proj. # DO93-936)
Sampled : 04/10/95
Dilution : 1:1 QC Batch : 2118K
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		101 %



Date Analyzed 04-14-95
Column : 0.53mm ID X 30m DBMAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)			ANALYSES							Date	Form No.
721	Martin W. Morgan										4.11.95	1 of 1
Project No.	Sampler (Signature)										WEST LABS	
D093-936											916 753 9500	
Project Location	Affiliation											
San Lorenzo, CA	Delta										Standard Turn	
Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	TTLC	STLC		No. of Containers	REMARKS	
RW-1	4.10.95	1402		X	X					2		
effluent	4.10.95	1405		X	X		X	X		4		
MID	4.10.95	1407		X	X					2		
influent	4.10.95	1409		X	X					2		
											DATE 4/11/95 17:10	
											TEMP 0°C	
											INITIAL JK	
											WEST. LAB	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
M.W. M / Delta	4/11/95	8:00	Stephanie Semas/Delta	4/11/95	8:00
Stephanie Semas/Delta	4/11/95	16:30	Ingrid A. Ingram / WEST	4/11/95	16:30
Ingrid A. Ingram / WEST	4/11/95	17:10	Wm Reese	4/11/95	17:10

Report To: TODD GALATI

Phone: 916 638 2085

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

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