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
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209-583-3358 Accounting

August 8, 1994

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 second quarter 1994 and the remediation system status through June 1994 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: August 8, 1994
QUARTER ENDING: June 30, 1994

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.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on June 7, 1994. Continued to operate the remediation system. Obtained the Permit to Operate for the vapor extraction system on June 8, 1994.

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-2, MW-4, MW-5, MW-8, MW-9, and MW-11. The benzene concentration decreased in MW-1 from 4,200 ppb to 1,800 ppb, in MW-3 from 6,500 ppb to 6,400 ppb, in MW-6 from 0.71 ppb to not detected, and in MW-10 from 6.4 ppb to 5.6 ppb. The benzene concentration increased in MW-7 from 53 ppb to 55 ppb and in RW-1 from 110 ppb to 1301 ppb.

As of June 21, 1994, approximately 1,412,980 gallons of ground water have been removed, treated, and discharged.

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

August 3, 1994

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

Subject: *Quarterly Ground Water Monitoring Report, Second Quarter 1994, and Status of Remediation System through June 1994*
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 at the above-referenced site. The monitoring is intended to evaluate the presence of 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 June 7, 1994, and the remediation system status through June 1994. The site location is shown in Figure 1, and site features are illustrated in Figure 2.

Quarterly ground water monitoring conducted on June 7, 1994, 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 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, Flow Direction, and Hydraulic Gradient

Depth to ground water in the monitoring wells was measured on June 7, 1994. Depth to ground water ranged from 13.37 (MW-3) to 18.88 (MW-11) feet below the top of well casings. The water table elevation measurements indicate ground water mounding around MW-3. Ground water mounding is caused by initiation of the soil vapor extraction system. Ground water table measurements recorded at the site on June 7, 1994, are compiled in Table 1 along with measurements recorded since February 1992. A water table contour map prepared from the June 1994 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 June 7, 1994, a product sheen was observed in monitoring well MW-3 at the site (Table 1).

Ground Water Analytical Results

Ground water samples were collected from monitoring wells MW-1 through MW-11, and ground water recovery well RW-1 on June 7, 1994. 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 for analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), and total petroleum hydrocarbons (TPH) as gasoline. Benzene was not detected in monitoring wells MW-2, MW-4, MW-5, MW-6, MW-8, MW-9, and MW-11. Detectable benzene concentrations ranged from 5.6 parts per billion (ppb) (MW-10) to 6,400 ppb (MW-3). A comparison of the analytical results for the samples collected in April and June 1994 indicate that the benzene concentrations decreased in MW-1 (4,200 to 1,800 ppb), MW-3 (6,500 to 6,400 ppb) and MW-10 (6.4 to 5.6 ppb), and increased in MW-7 (53 to 55 ppb) and RW-1 (110 to 130 ppb). Results of the chemical analyses for the June 7, 1994, sampling event are summarized in Table 2, and copies of the certified analytical reports are included in Enclosure C. A benzene isoconcentration contour map is included as Figure 4.

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 Oro Loma Sanitary District.

The ground water treatment system was not operational during the period of August 14, 1993, through September 21, 1993, while the air stripping tower packing was replaced. The ground water treatment system was restarted on September 22, 1993. The ground water system was not operational during the period of March 17, 1994, through April 6, 1994, when the flow totalizer was replaced. The volume of ground water treated by the remediation system through June 21, 1994, is 1,412,980 gallons as shown in Table 3.

The soil vapor extraction system was started in March 1994 and is operational. Bay Area Air Quality Management District source testing was conducted on April 28, 1994, and the permit to operate the soil vapor extraction system was issued on June 8, 1994.

Remediation System Analytical Results

In order to evaluate the effectiveness of the remediation system, water samples were collected at the sewer discharge location. Water samples were collected on May 18, 1994, and were submitted for analysis of BTEX and TPH as gasoline. Analytical results indicate that BTEX and TPH as gasoline concentrations were below the maximum allowable discharge concentrations for the Oro Loma Sanitary Sewer District. Results of the chemical analysis are summarized in Table 4, and copies of certified analytical reports are included in Enclosure C.

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 me at (916) 638-2085.

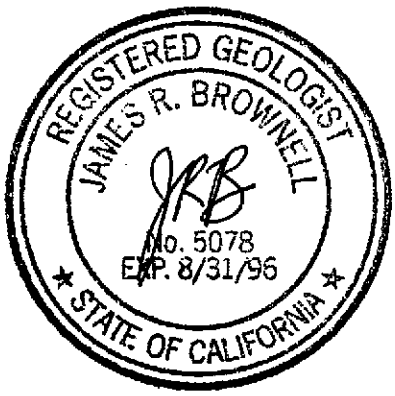
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Carolyn A. Chastain
Project Engineer

Todd M. Galati
Project Manager

James R. Brownell, R.G.
California Registered Geologist No. 5078



CAC (LRP426.TA)
Enclosures

cc\enc: Mr. Jon W. Black, Delta Environmental Consultants, Inc. - Sacramento

TABLE 1

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-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
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
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
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

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-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
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
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
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

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
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
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

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

[a] All top of riser elevations surveyed by Aegis Environmental.
[b] Not Measured.

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

TABLE 2

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in parts per billion (ppb)

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
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
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

TABLE 2-Continued

ANALYTICAL RESULTS OF GROUND WATER SAMPLES
Concentrations in parts per billion (ppb)

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
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
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

TABLE 2-Continued

ANALYTICAL RESULTS OF GROUND WATER SAMPLES
Concentrations in parts per billion (ppb)

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

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH[a] 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
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
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

TABLE 2-Continued

ANALYTICAL RESULTS OF GROUND WATER SAMPLES
Concentrations in parts per billion (ppb)

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
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

TABLE 2-Continued

ANALYTICAL RESULTS OF GROUND WATER SAMPLES
Concentrations in parts per billion (ppb)

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

[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

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

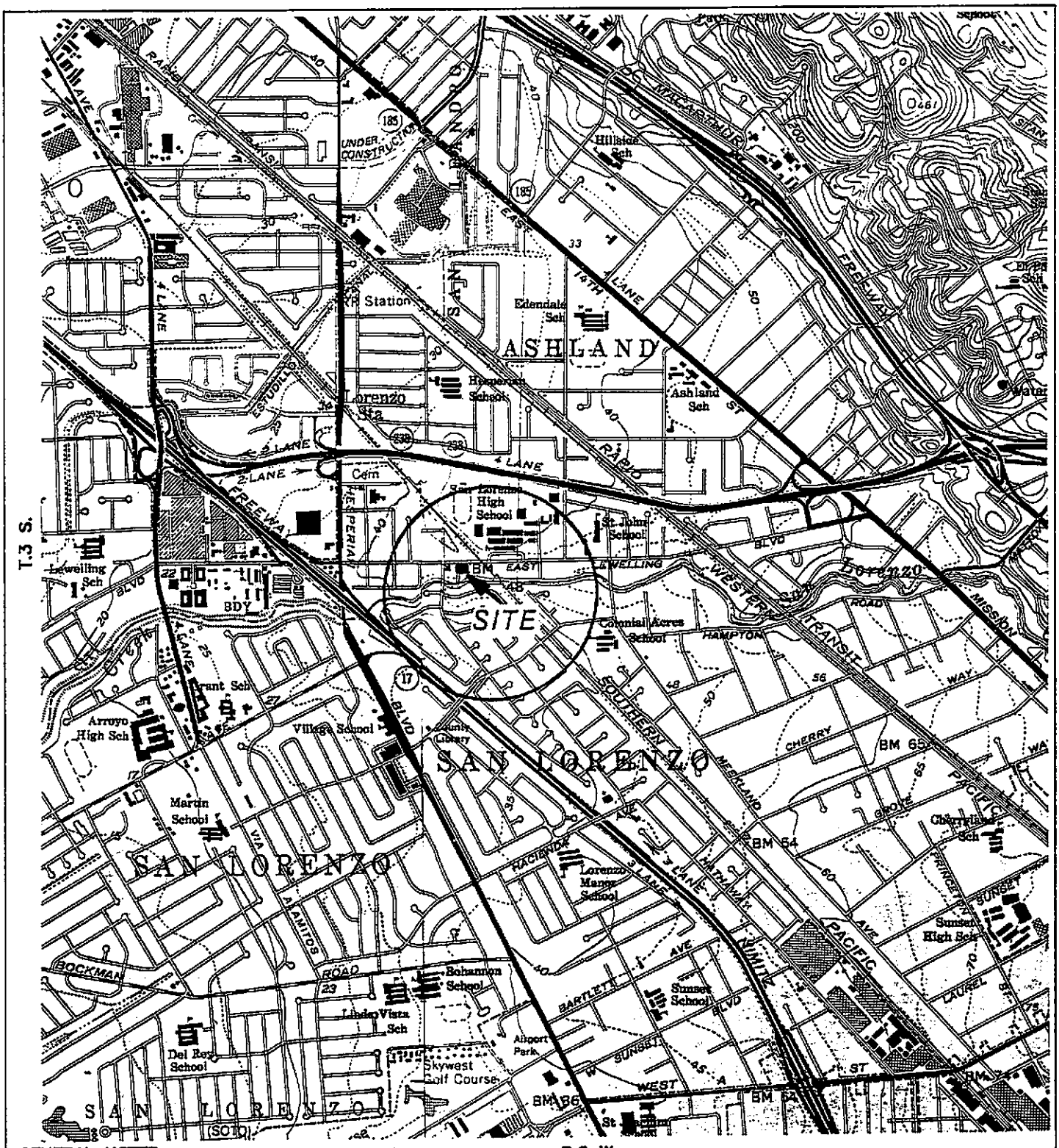
TABLE 4

ANALYTICAL RESULTS OF SYSTEM WATER SAMPLES
Concentrations in parts per billion (ppb)

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

[a] Total petroleum hydrocarbons.



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

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

Delta Environmental Consultants, Inc.

LEWELLING BOULEVARD

VIA GRANADA

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

PLANTER

TACO BELL

MW-8

MW-7 730/55

PARKING

DRIVE-THRU

MW-6

CANOPY

PUMP ISLANDS

MW-2

MW-3 27,000/6,400

UNDERGROUND STORAGE TANKS

RW-1

B-1

MW-1 26,000/1,800

1,700/130

MW-5

STATION BUILDING

FENCE

TRASH

MW-4

BUILDING

MW-10 6,700/5.6

BUILDING

BUILDING

MW-11 560/ND

BUILDING

MW-9

BUILDING

BUILDING

SAN LORENZO CREEK

North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ◍ MW-1 MONITORING WELL LOCATION

TPHg
Benzene (ppb)

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

0 30 FT
SCALE

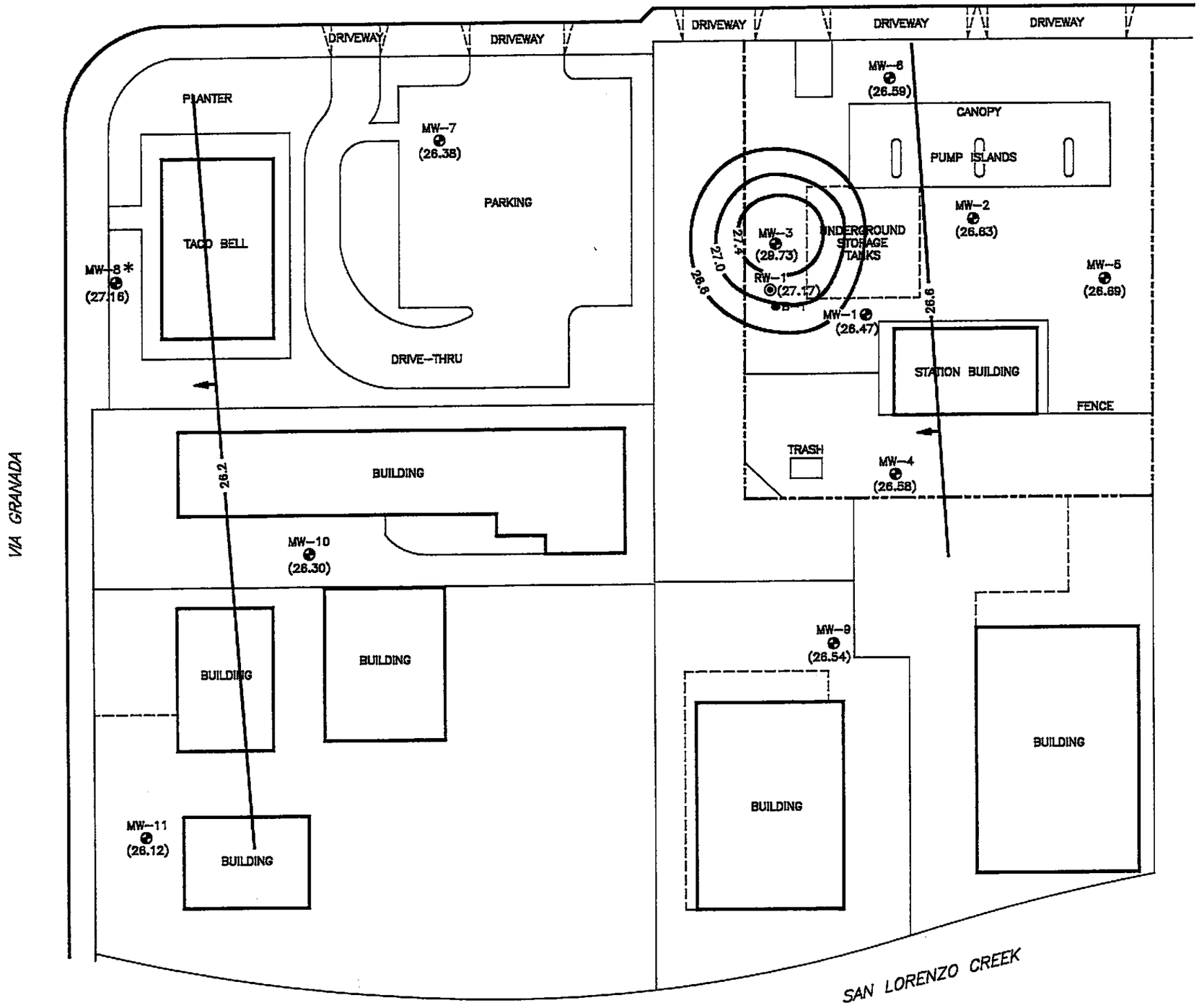
FIGURE 2
SITE VICINITY MAP

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

PROJECT NO. 40-93-838	DRAWN BY LH. 8/11/93
FILE NO. 93-936-1	PREPARED BY JRB
REVISION NO. 1	REVIEWED BY JRB 8/11/93

Delta Environmental Consultants, Inc.

LEWELLING BOULEVARD



North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (26.47) GROUND WATER ELEVATION RELATIVE TO AN ASSUMED BENCH MARK
- —26.6— WATER TABLE CONTOUR RELATIVE TO AN ASSUMED BENCH MARK
- ← GROUND WATER FLOW DIRECTION

* WATER LEVEL IN MW-8 WAS NOT USED FOR WATER TABLE CONTOUR MAP PREPARATION.

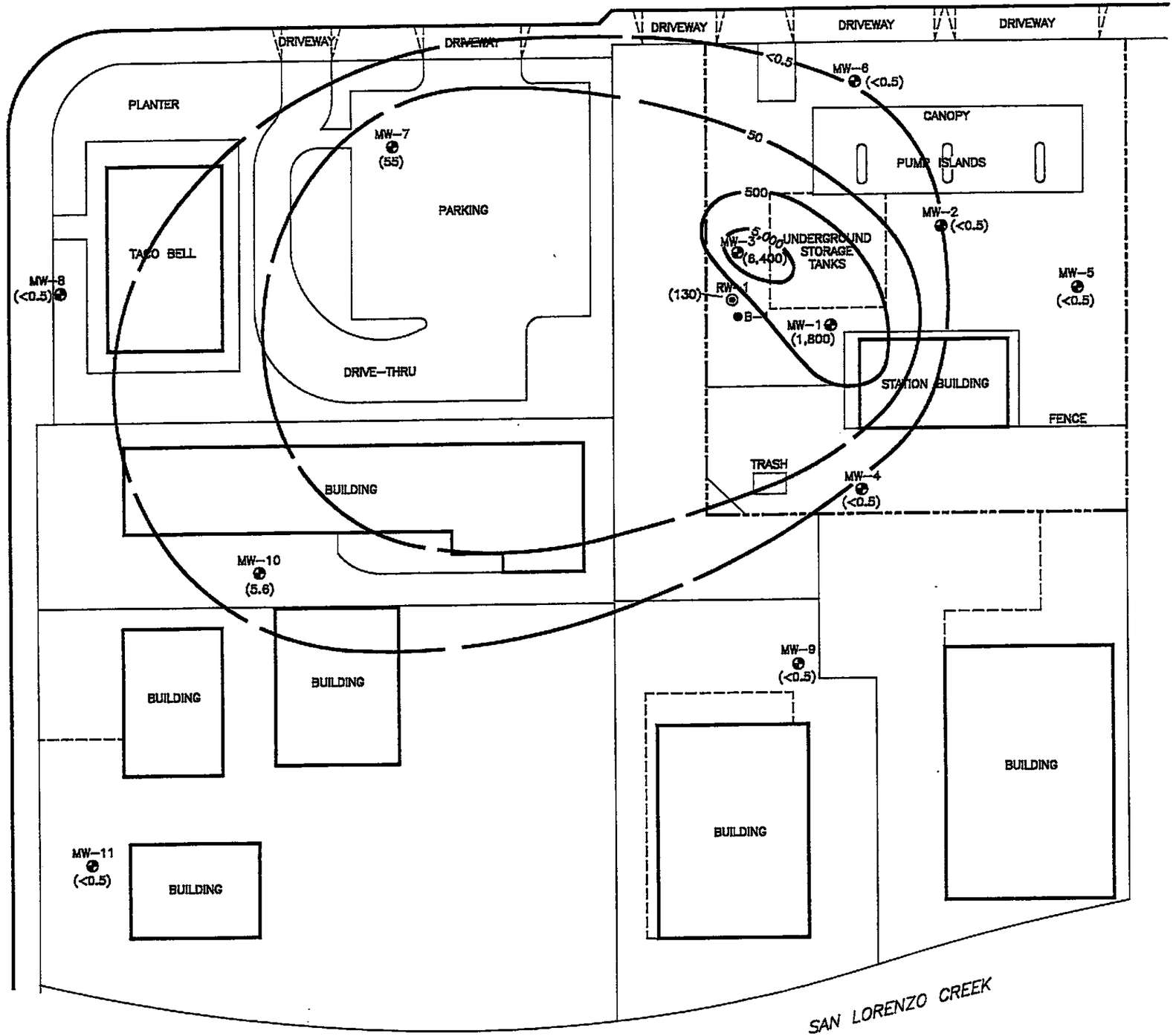
NOTE:
BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

0 30 FT
SCALE

FIGURE 3
WATER TABLE CONTOUR MAP – 6/7/94
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-938	DRAWN BY L.H. 7/21/94
FILE NO. 93-938-1	PREPARED BY CAC
REVISION NO. 1	REVIEWED BY, 7/22/94

Delta Environmental Consultants, Inc.



North

LEGEND:

- ● B-1 SOIL BORING LOCATION
- ◉ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (1,800) BENZENE CONCENTRATION IN PARTS PER BILLION
- —50— BENZENE ISOCONCENTRATION CONTOUR IN PARTS PER BILLION

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 CONTOUR MAP
6/7/94
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. D093-936	DRAWN BY I.H. 7/18/94
FILE NO. 93-936-1	PREPARED BY CAC
REVISION NO. 1	REVIEWED BY 7/22/94

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.

ENCLOSURE B

Field Sampling Data Sheets

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Ground Water Level Data

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

DATE: 6-7-94 RECORDED BY: BLACK/PERRY MEASURING DEVICE: SLOPE INDICATOR

Well No.	Time	Reference Elevation	Depth to G.W.	Elevation	Free Product Thickness	Physical Observations/Comments
MW-1	10:05	43.67	17.20			31.20 TOTAL DEPTH
MW-2	10:10	43.09	16.46			33.30
MW-3	10:15	43.10	13.37	UNDER VACUUM		29.30
MW-4	10:20	44.66	18.08			24.60
MW-5	10:25	43.79	17.10			29.20
MW-6	10:30	42.47	15.88			28.70
MW-7	10:35	41.54	15.16			24.30
MW-8	10:40	42.26	15.10			23.20
MW-9	10:45	44.94	18.40			23.80
MW-10	10:50	42.34	16.04			29.50
MW-11	10:55	45.00	18.88			29.50 TOTAL DEPTH
RW-1	10:00	43.17	16.0			UNDER VACUUM

* Measured from top of riser unless otherwise noted.

1012/3-89

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-1 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O.: D093-936-4.0015
Sampling Point: MW-1 Date Sampled: 6/7/94 Time: 14:05
Describe Sampling Point: SEE SITE MAP

Well Depth: 31.20 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 17.20 ft. Date: 6/7/94 Time: 10:05
Discharge rate: _____ gpm x 0.XXXX = _____ cfs.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Teo ____ Submersible pump X Bailer ____ Other ____
Pump intake or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER ; (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No. Tubing was used only for MW-1
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100. Temperature Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
13:57	7.32	15.60	71.0			
13:58	6.98	15.38	72.0			
13:58	6.89	14.60	72.2			
					9.0	

Bailing start time: 13:52 WL: 17.20
Bailing stop time: 13:59 WL: 18.87

Comments:

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR
Temperature: 70's
Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-2
Location: 44 LEWELLING BLVD. SAN LORENZO, CA
Project: BEACON 721
W.O. #: D093-936-4.0015
Sampling Point: MW-2
Date Sampled: 6/7/94
Time: 13:15
Describe Sampling Point: SEE SITE MAP

Well Depth: 33.30 ft. below MP
Casing diameter: 2 inches
Depth to water (below MP): 16.46 98 ft.
Date: 6/7/94
Time: 10:10
Discharge rate: _____ gpm x 0.002 = _____ cfm.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Tap ____ Submersible pump X Bailer ____ Other
Pump Intake or bailer set at: _____ ft. below MP
Tubing (type: DISPOSABLE BAILER) (new or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-2
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100 Temperature - Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
13:08	7.67	13.83	70.4			
13:09	7.32	13.07	69.9			
13:09	7.17	12.50	69.7			
13:10	7.13	12.46	69.7		11.0	

Bailing start time: 13:05 WL 16.46 98
Bailing stop time: 13:10 WL 19.55

Comments:

Temperature (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY
Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR
Temperature: 70's
Wind Speed: 0-5 mPH

GENERAL CONDITIONS

Sample ID# MW-3
Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA
W.O. # D093-936-4.0015
Sampling Point: MW-3
Date Sampled: 6 / 7 / 94
Time: 14:20
Describe Sampling Point: SEE SITE MAP

Well Depth 29.30 ft. below MP
Casing diameter 2 inches
Depth to water (below MP) 13.37 ft.
Date: 6 / 7 / 94
Time: 10:15
Discharge rate ______ gpm x 0.00223 = ______ cfs.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method ___ Tap ___ Submersible pump X Bailer ___ Other ______
Pump intake or bailer set at ______ ft. below MP
Tubing (type: DISPOSABLE BAILER) (new or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-3
Sample appearance: GRAY COLOR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	x100 Temperature Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
	~~OFF SCALE~~	~~12.70~~	~~72.9~~			
NOTICED A SHEEN AND STOPPED READINGS						
					10.5	

Bailing start time: 14:09 WL 13.37
Bailing stop time: 14:14 WL 13.45

Comments:

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY
Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-4 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O. #: D093-936-4.0015
Sampling Point: MW-4 Date Sampled: 6/7/94 Time: 13:50
Describe Sampling Point: SEE SITE MAP

Well Depth: 24.60 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 18.08 ft. Date: 6/7/94 Time: 10:20
Discharge rate: _____ gpm x 0.00[illegible] = _____ cfm.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Teo ____ Submersible pump X Bailer ____ Other ____
Pump intake or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER); (new) or previously used) was used to collect all samples X Yes ___ No
and all field measurements (X Yes ___ No). Tubing was used only for MW-4
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100 Temperature = Corrected Conductance (micromhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
13:43	8.20	10.99	75.3			
13:43	7.87	11.48	72.7			
13:44	7.69	11.47	71.3			
13:44	7.58	11.39	70.7		4.5	

Bailing start time: 13:39 WL: 18.08
Bailing stop time: 13:45 WL: 19.26

Comments: _____

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Submitted by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-5 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O. #: D093-936-4.0015
Sampling Point: MW-5 Date Sampled: 6 / 7 / 94 Time: 12:58
Describe Sampling Point: SEE SITE MAP

Well Depth: 29.20 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 17.10 ft. Date: 6 / 7 / 94 Time: 10:25
Discharge rate _____ gpm x 0.00[illegible] = _____ cfs.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Tap ____ Submersible pump X Bailer ____ Other
Pump intake or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER); (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-5
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X/100 Temperature - Corrected Conductance (micromhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
Start						
12:51	8.20	7.15	71.5			
12:52	8.10	7.22	70.2			
12:52	7.94	6.96	69.6			
12:53	7.89	6.93	69.5		8.0	

Bailing start time: 12:47 WL: 17.10
Bailing stop time: 12:53 WL: 19.17

Comments:

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-6 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O. #: D093-936-4.0015
Sampling Point: MW-6 Date Sampled: 6/7/94 Time: 12:40
Describe Sampling Point: SEE SITE MAP

Well Depth: 28.70 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 15.88 ft. Date: 6/7/94 Time: 10:30
Discharge rate _____ gpm x 0.00[illegible] = _____ cfm.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Tap ____ Submersible pump X Bailer ____ Other ____
Pump location or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER); (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-6
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100. Temperature - Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
12:32	8.15	9.08	71.6			
12:33	7.90	8.73	71.2			
12:33	7.79	8.60	71.1			
					8.5	

Bailing start time: 12:28 Wt. 15.88
Bailing stop time: 12:34 Wt. 21.25

Comments:

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-7 Project: BEACON 721

Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O.: DO93-936-4.0015

Sampling Point: MW-7 Date Sampled: 6 / 7 / 94 Time: 12:05

Describe Sampling Point: SEE SITE MAP

Well Depth: 24.30 ft. below MP Casing diameter: 2 inches

Depth to water (below MP): 15.16 ft. Date: 6 / 7 / 94 Time: 10:35

Discharge rate _____ gpm x 0.00____ = _____ cfm

At least 4 Well volumes have been evacuated before sampling.

Sampling Method: ____ Teo ____ Submersible pump X Bailer ____ Other ____

Pump intake or bailer set at _____ ft. below MP

Tubing (type: DISPOSABLE BAILER); (new or previously used) was used to collect all samples X Yes ___ No used all field measurements (X Yes ___ No). Tubing was used only for MW-7

Sample appearance: CLEAR

Note any sampling problems: NONE

Note any cleaning performed in the field: SLOPE INDICATOR

Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X10Δ Temperature Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
11:56	8.10	8.86	71.2			
11:57	7.47	10.91	70.3			
11:58	7.27	10.53	70.5			
11:58	7.25	10.42	70.8		6.0	

Bailing start time: 11:53 WL: 15.16

Bailing stop time: 11:59 WL: 19.12

Comments: _____

Transportation (Thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-8 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O.: DO93-936-4.0015
Sampling Point: MW-8 Date Sampled: 6/7/94 Time: 11:45
Describe Sampling Point: SEE SITE MAP

Well Depth: 23.20 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 15.10 ft. Date: 6/7/94 Time: 10:40
Discharge rate: _____ gpm x 0.00[illegible] = _____ cfm.
At least: 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Tap ____ Submersible pump X Bailer ____ Other
Pump Intake or bailer set at: _____ ft. below MP
Tubing (type: DISPOSABLE BAILER) (New) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-8
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100. Temperature - Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
Begin						
11:41	8.32	4.00	69.6			
11:41	8.34	2.99	67.2			
11:42	8.28	3.04	66.5			
					5.5	

Bailing start time: 11:37 WL: 15.10
Bailing stop time: 11:42 WL: 16.96

Comments:

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR Temperature: 70'S

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-9 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LOREN ZO, CA W.O.: DO93-936-4.0015
Sampling Point: MW-9 Date Sampled: 6 / 7 / 94 Time: 12:20
Describe Sampling Point: SEE SITE MAP

Well Depth: 23.80 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 18.40 ft. Date: 6 / 7 / 94 Time: 10:45
Discharge rate _____ gpm x 0.0026 = _____ cfs
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ____ Tap ____ Submersible pump X Bailer ____ Other ____
Pump Intake or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER) (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ Not. Tubing was used only for MW-9
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100 Temperature - Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
Begin						
12:15	7.99	13.00	76.1			
12:15	7.75	13.38	71.2			
12:16	7.60	13.02	70.8			
					3.5	

Bailing start time: 12:12 WL: 18.40
Bailing stop time: 12:16 WL: 19:00

Comments: _____

Transportation (thermal preservation): COOLER & ICE

Form completed by: BLACK / PERRY Submitted by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Cloud Cover: CLEAR
Temperature: 70's
Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-10
Location: 44 LEWELLING BLVD. SAN LORENZO CA
Project: BEACON 721
W.O. #: D093-936-4.0015
Sampling Point: MW-10
Date Sampled: 6/7/94
Time: 11:30
Describe Sampling Point: SEE SITE MAP

Well Depth: 29.50 ft. below MP
Casing diameter: 2 inches
Depth to water (below MP): 16.04 ft.
Date: 6/7/94
Time: 10:50
Discharge rate _____ gpm x 0.00[illegible] = _____ cu.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method ____ Tap ____ Submersible pump X Bailer ____ Other ____
Pump intake or bailer set at _____ ft. below MP
Tubing (type: DISPOSABLE BAILER & (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No). Tubing was used only for MW-10
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X 100 Temperature Corrected Conductance (umhos/cm)	Temperature (F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
11:25	8.10	7.37	66.6			
11:25	7.93	7.37	66.5			
11:26	7.75	7.46	66.8			
					10.5	

Bailing start time: 11:23 WL 16.04
Bailing stop time: 11:26 WL 18.45

Comments:

Transportation (thermal preservation): COOLER & ICE

Person witnessed by: BLACK / PERRY
Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions
Coast Current: CLEAR Temperature: 70's

Wind Speed: 0-5 MPH

GENERAL CONDITIONS

Sample ID: MW-11 Project: BEACON 721
Location: 44 LEWELLING BLVD. SAN LORENZO, CA W.O.: D093-936-4.0015
Sampling Point: MW-11 Date Sampled: 6/7/94 Time: 11:15
Description Sampling Point: SEE SITE MAP

Well Depth: 29.50 ft. below MP Casing diameter: 2 inches
Depth to water (below MP): 18.88 ft. Date: 6/7/94 Time: 10:55
Discharge rate _____ gpm x 0.002___ = _____ cfs.
At least 4 Well volumes have been evacuated before sampling.
Sampling Method: ___Tap ___Submersible pump X Bailer ___Other _____
Pump Intake or bailer set at _____ ft. below MP
Tubing (type): DISPOSABLE BAILER Is (new) or previously used was used to collect all samples X Yes ___ No
used all field measurements (X Yes ___ No). Tubing was used only for MW-11
Sample appearance: CLEAR
Note any sampling problems: NONE
Note any cleaning performed in the field: SLOPE INDICATOR
Samples collected: 2 VOAS - TESTED FOR BTEX/TPHg

EVACUATION/STABILIZATION TEST DATA

Time	pH Units	X100. Temperature = Corrected Conductance (umhos/cm)	Temperature (°F)	Water Level (Nearest 0.01 ft.)	Cumulative Volume of Water Removed from Well (gallons)	Pumping Rate (gpm)
11:09	8.70	6.92	69.2			
11:09	8.64	6.90	67.0			
11:10	8.39	6.82	66.3			
					7.0 5.5	

Bailing start time: 11:07 Wt. 18.86
Bailing stop time: 11:10 Wt. 18.98

Comments: _____

Preservation (thermal preservation): COOLER & ICE

Form completed by: BLACK/PERRY Sampled by: JB

SAMPLING INFORMATION SHEET

Weather Conditions

Cloud Cover: _____ Temperature: _____

Wind Speed: _____

GENERAL CONDITIONS

Sample ID: RW-1 Project: BEACON 721

Location: 44 LEWELLING BLVD SAN LORENZO, CA W.O. #: D093-936-4.0015

Sampling Point: RW-1 Date Sampled: 6 / 7 / 94 Time: 14:30

Describe Sampling Point: SEE SITE MAP

Well Depth: 29.50 ft. below MP Casing diameter: _____ inches

WELL WAS UNDER VACUUM

Depth to water (below MP): 16.00 ft. Date: 6 / 7 / 94 Time: 10:00

Discharge rate _____ gpm x 0.002228 = _____ cfs.

At least 4 Well volumes have been evacuated before sampling.

Sampling Method _____ Tap _____ Submersible pump X Bailer _____ Other _____

Pump Intake or bailer set at _____ ft. below MP

Tubing (type: DISPOSABLE BAILER) (new) or previously used) was used to collect all samples X Yes ___ No and all field measurements (X Yes ___ No. Tubing was used only for _____

Sample appearance: CLEAR

Note any sampling problems: NONE

Note any cleaning performed in the field: SLOPE INDICATOR

Samples collected: 2 VOAS - TESTED FOR BTEX / TPHg

EVACUATION/STABILIZATION TEST DATA

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

Bailing start time: _____ WL _____

Bailing stop time: _____ WL _____

Comments: SAMPLED AT THE SAMPLE PORT OF THE REMEDIATION SYSTEM.

Temperature (thermal preservation): COOLER & ICE

Form completed by: BLACK/PERRY Sampled by: JB

ENCLOSURE C

Ground Water Sample Laboratory Reports

June 15, 1994
Sample Log 9568

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

Subject: Analytical Results for 12 Water Samples
Identified as: Project # D093-936-4 (Beacon 721)
Received: 06/08/94

Dear Mr. Galati:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on June 15, 1994 and describes procedures used to analyze the samples.

Sample(s) were received in 40-milliliter glass vials sealed with TFE lined septae and plastic screw-caps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

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:

Mitra Sarkhosh
Senior Chemist

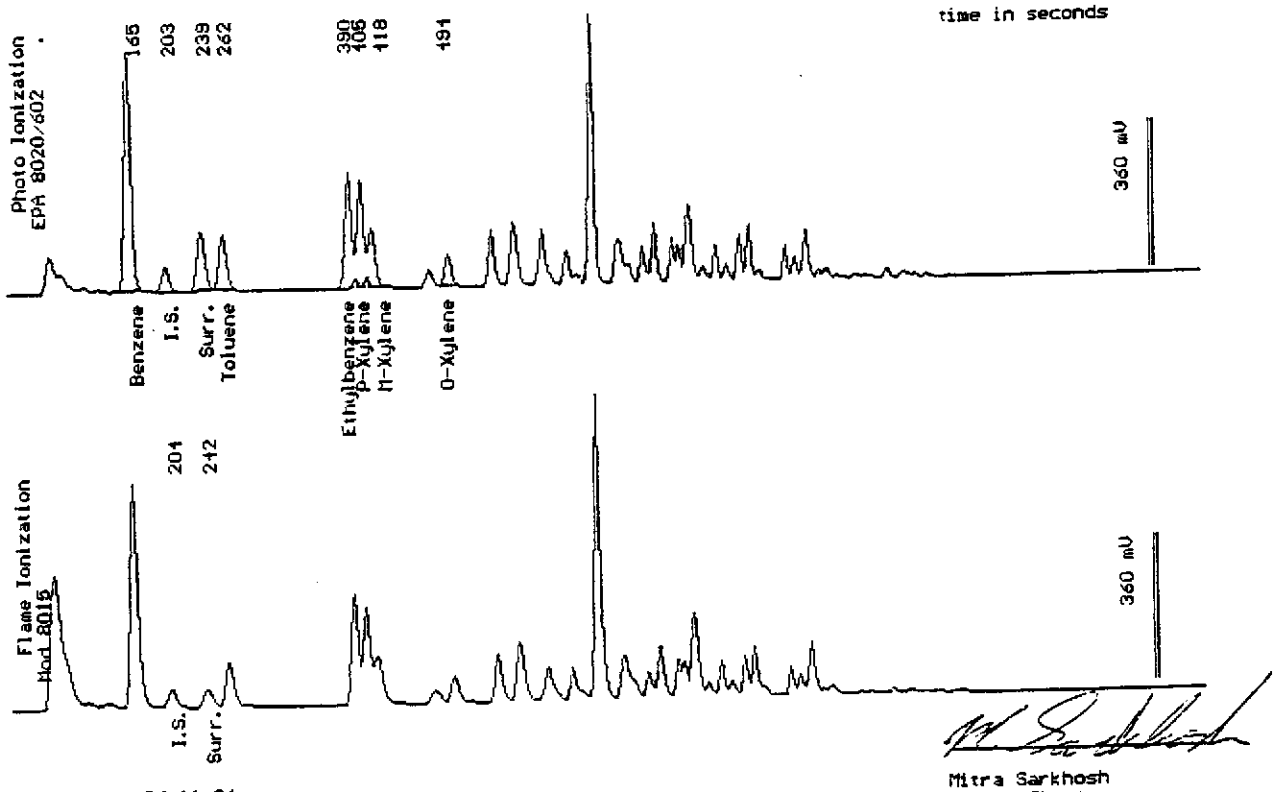
Sample Log 9568

9568-1

Sample: MW-1

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:10 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(5.0)	1800
Toluene	(5.0)	510
Ethylbenzene	(5.0)	1100
Total Xylenes	(5.0)	1600
TPH as Gasoline	(500)	26000
Surrogate Recovery		101 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

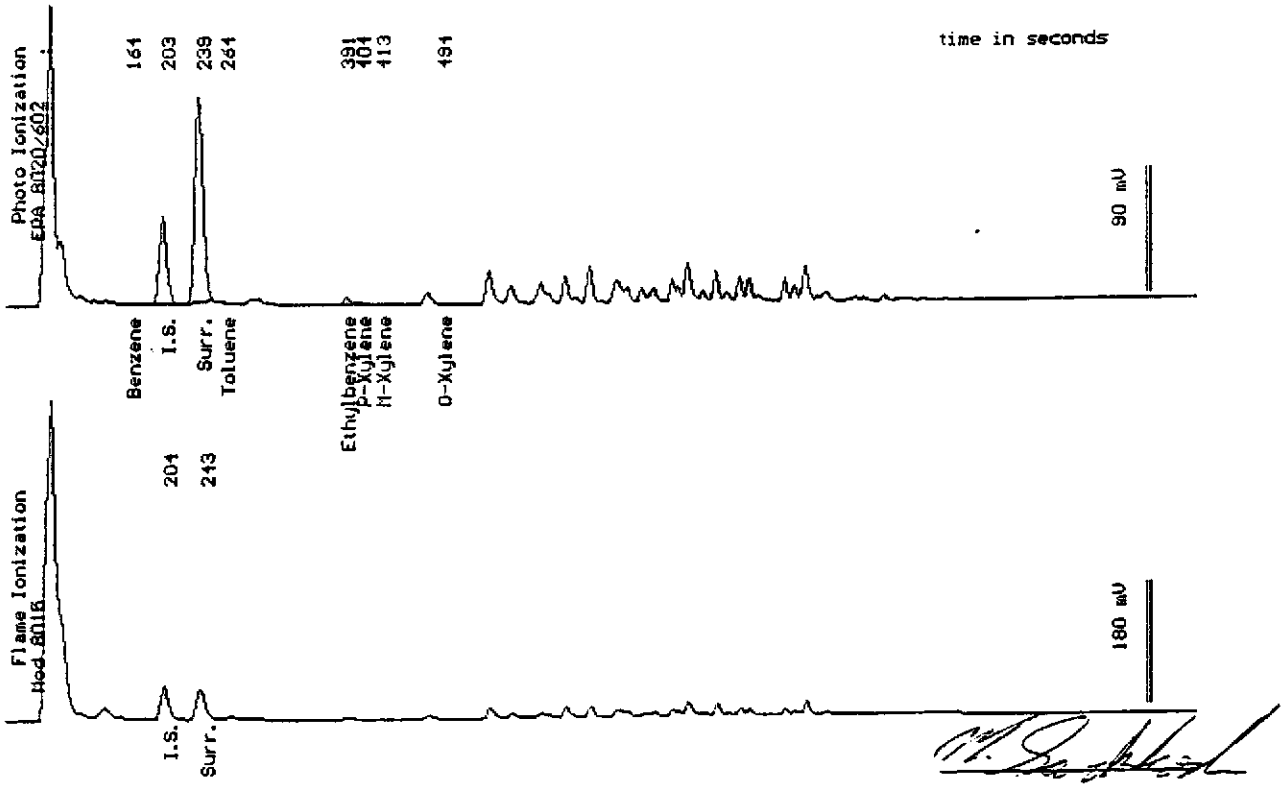
Sample Log 9568

9568-2

Sample: **MW-2**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	1.5
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	550
Surrogate Recovery		92 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

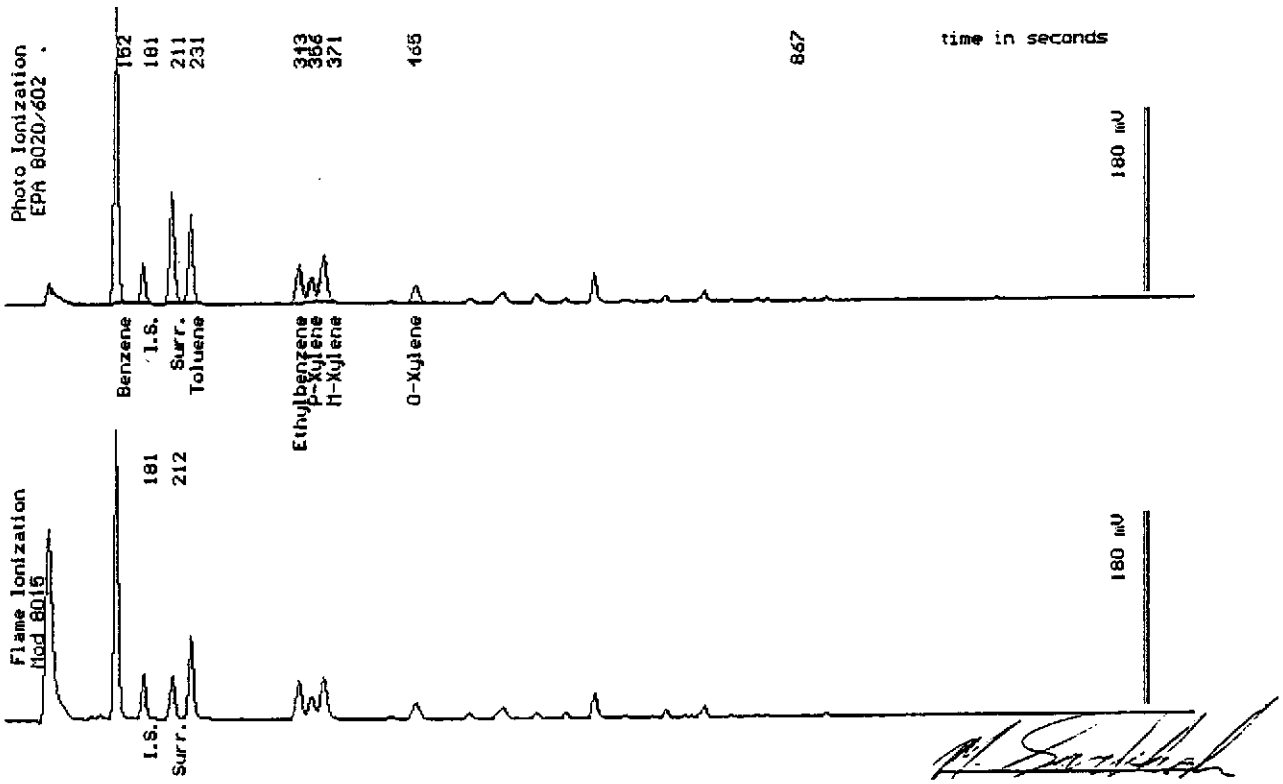
Sample Log 9568

9568-3

Sample: **MW-3**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:50 QC Batch : 4089D
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(25)	6400
Toluene	(25)	2300
Ethylbenzene	(25)	1500
Total Xylenes	(25)	3500
TPH as Gasoline	(2500)	27000
Surrogate Recovery		99 %



Date Analyzed: 06-14-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

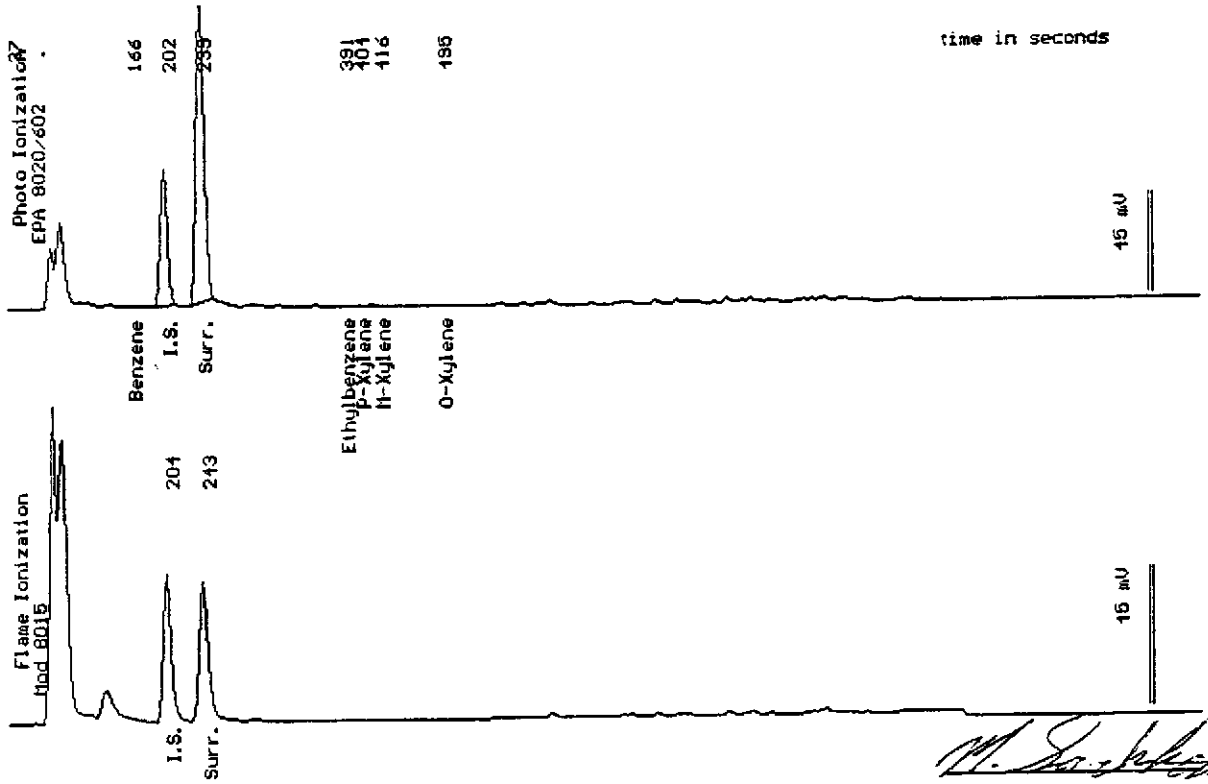
Sample Log 9568

9568-4

Sample: **MW-4**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
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		98 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

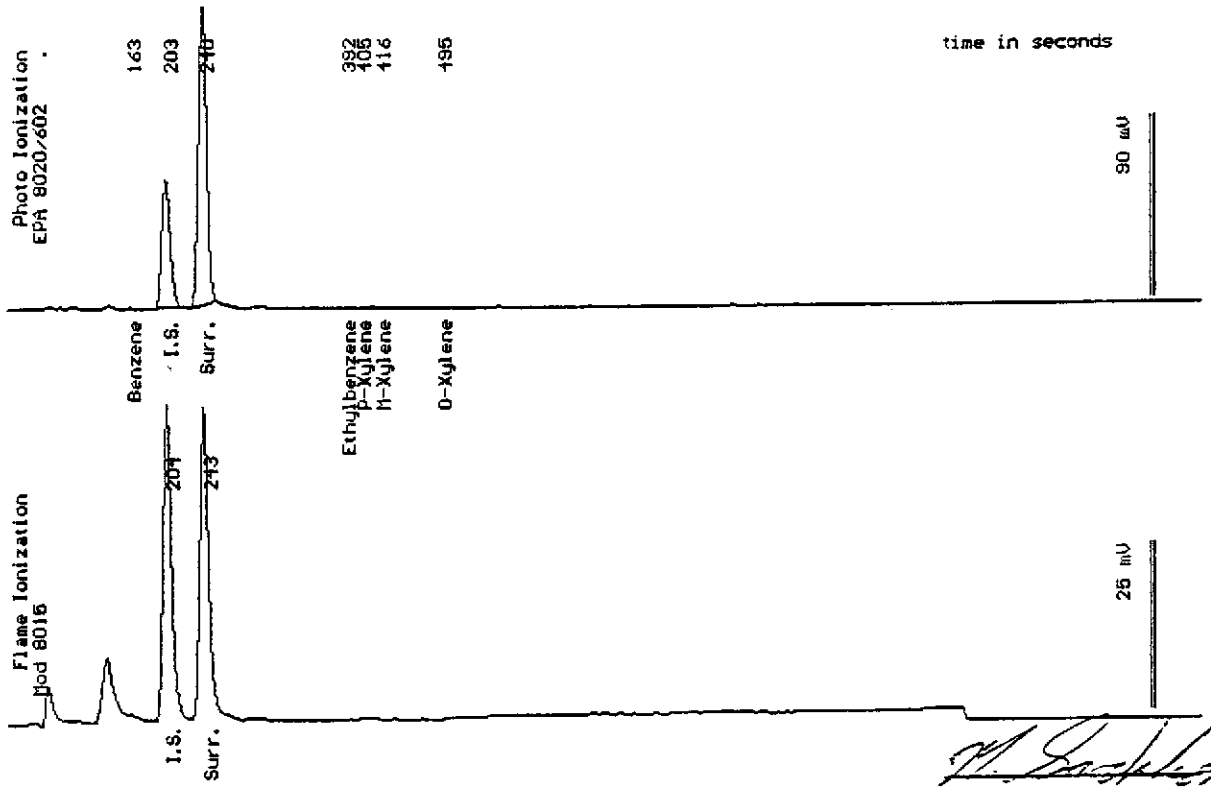
Sample Log 9568

9568-5

Sample: **MW-5**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
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		86 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

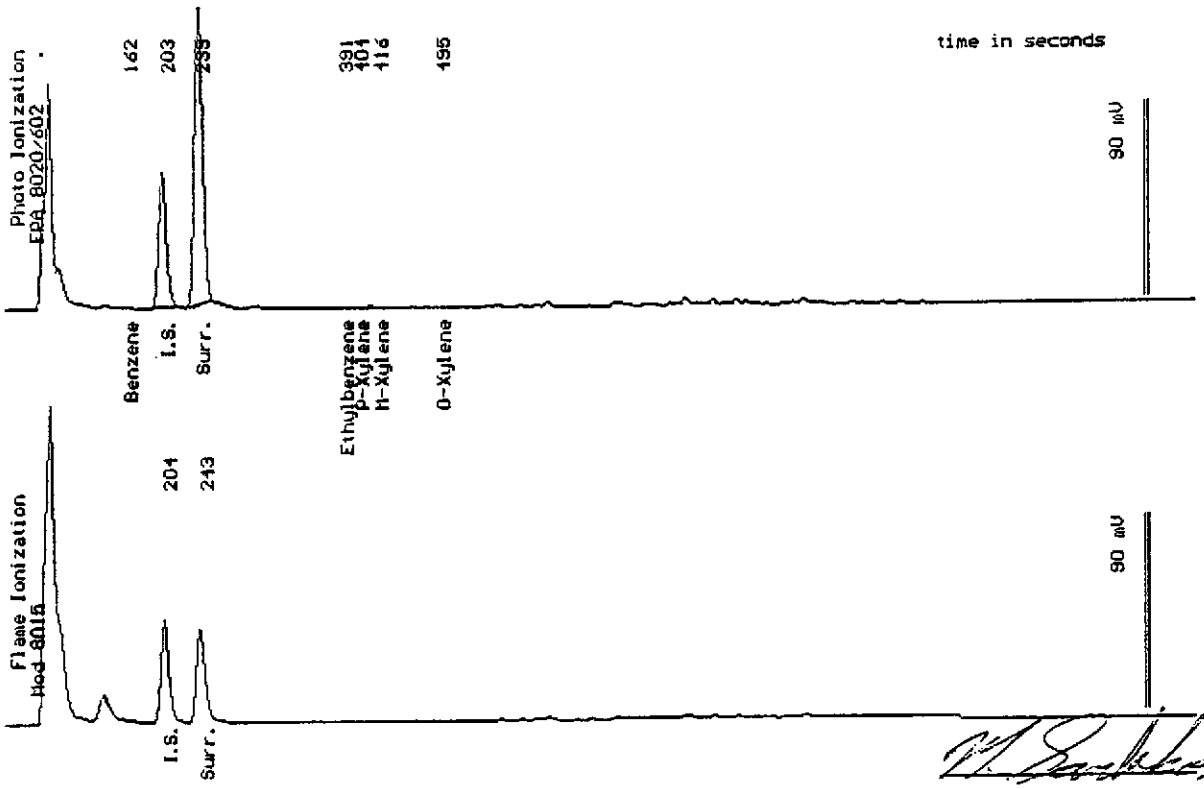
Sample Log 9568

9568-6

Sample: **MW-6**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
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)	180
Surrogate Recovery		91 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

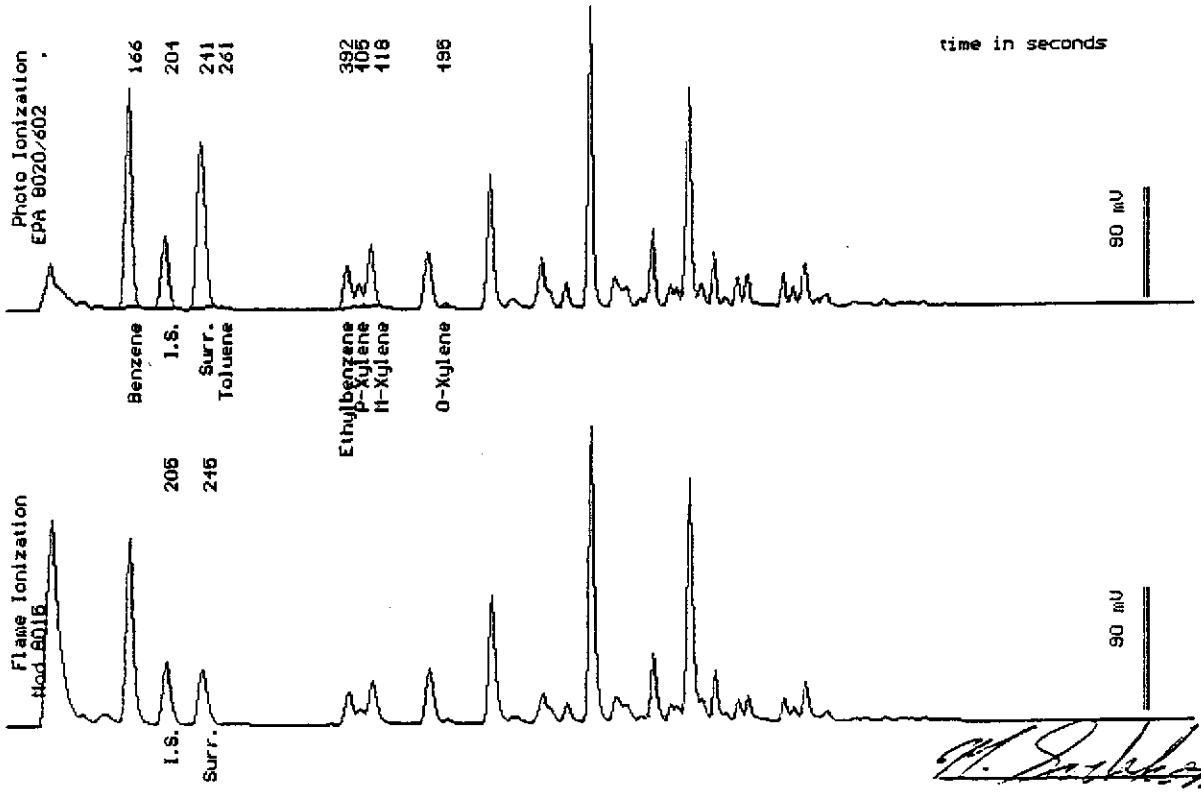
Sample Log 9568

9568-7

Sample: **MW-7**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	55
Toluene	(.50)	<.50
Ethylbenzene	(.50)	14
Total Xylenes	(.50)	24
TPH as Gasoline	(50)	730
Surrogate Recovery		101 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

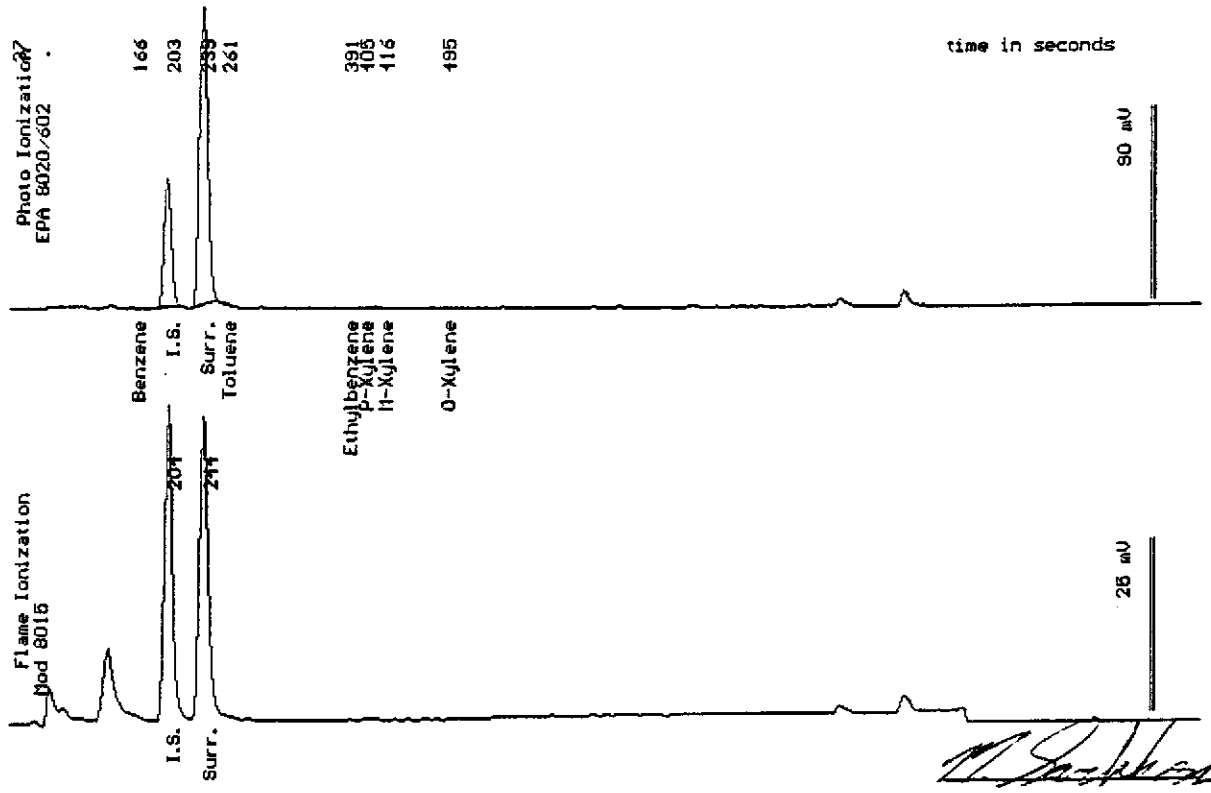
Sample Log 9568

9568-8

Sample: **MW-8**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
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		99 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

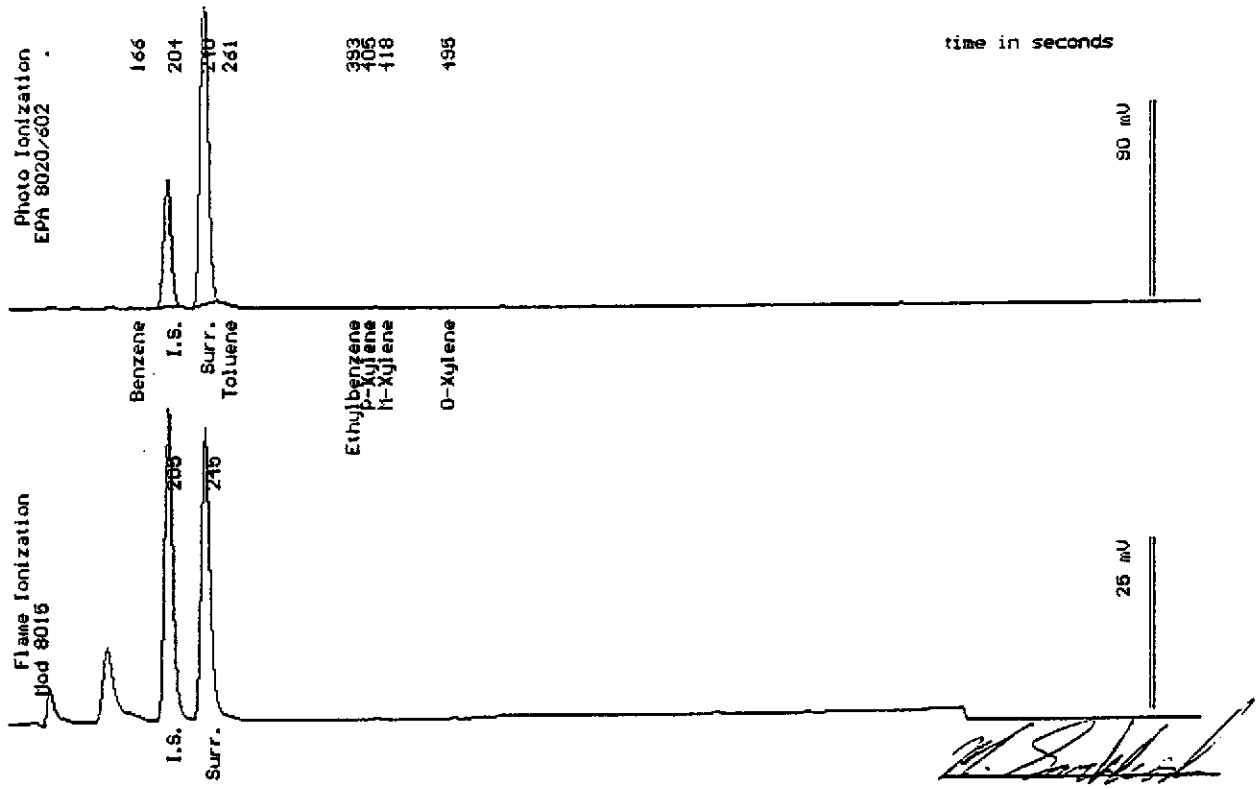
Sample Log 9568

9568-9

Sample: **MW-9**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
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		99 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

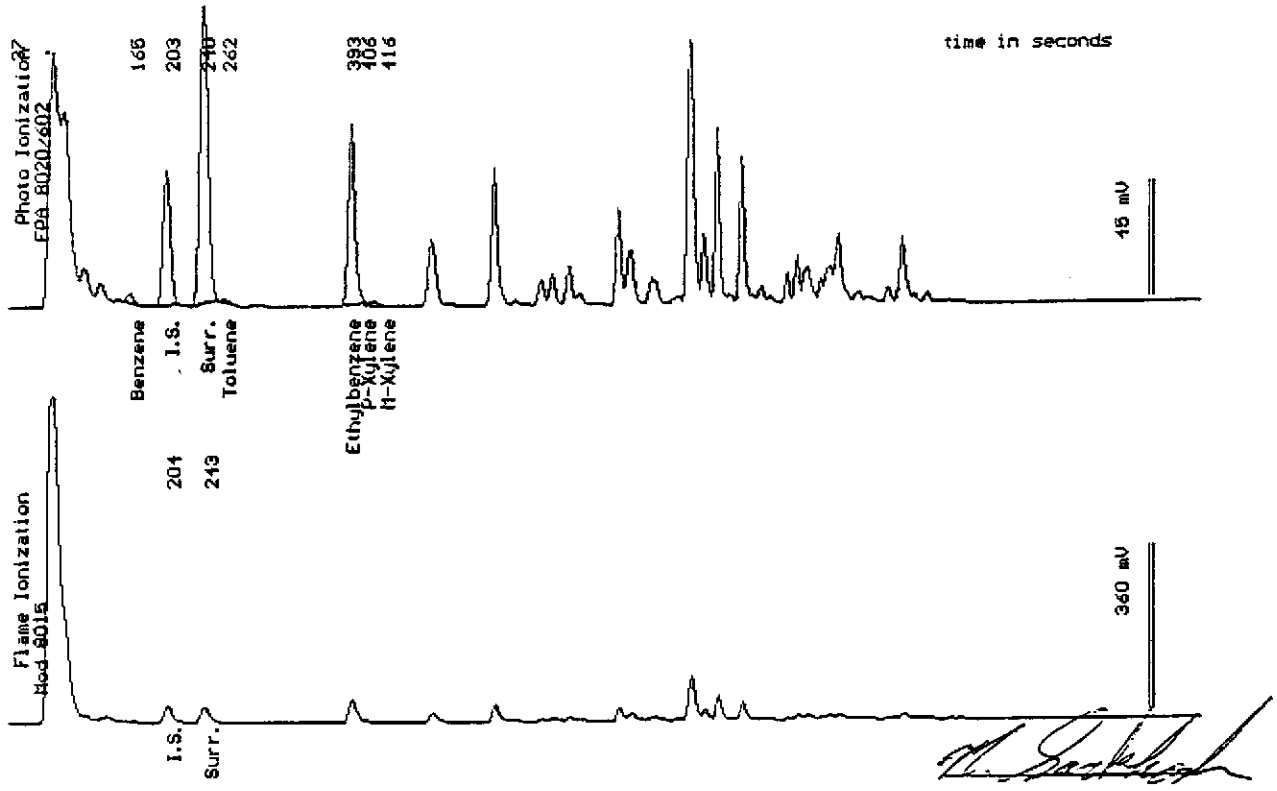
Sample Log 9568

9568-10

Sample: **MW-10**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:5 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(2.5)	5.6
Toluene	(2.5)	<2.5
Ethylbenzene	(2.5)	150
Total Xylenes	(2.5)	5.7
TPH as Gasoline	(250)	6700
Surrogate Recovery		97 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

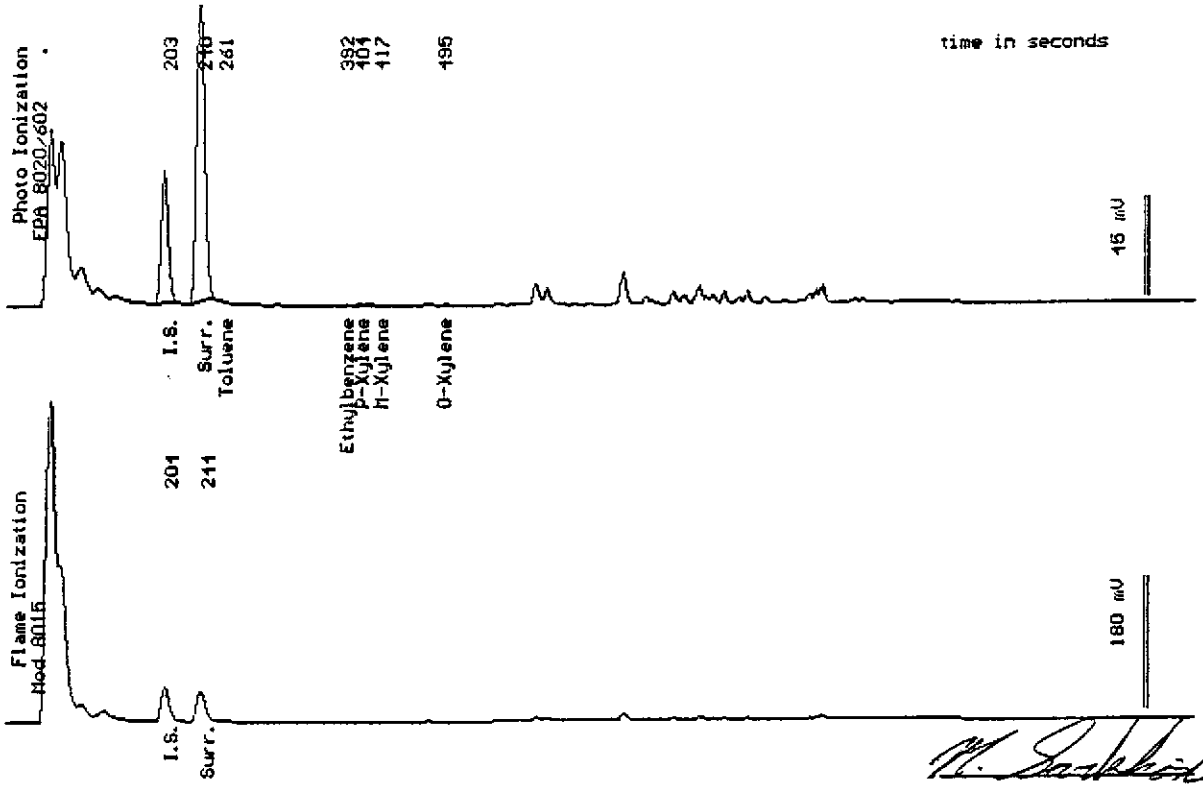
Sample Log 9568

9568-11

Sample: **MW-11**

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	.64
TPH as Gasoline	(50)	560
Surrogate Recovery		98 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

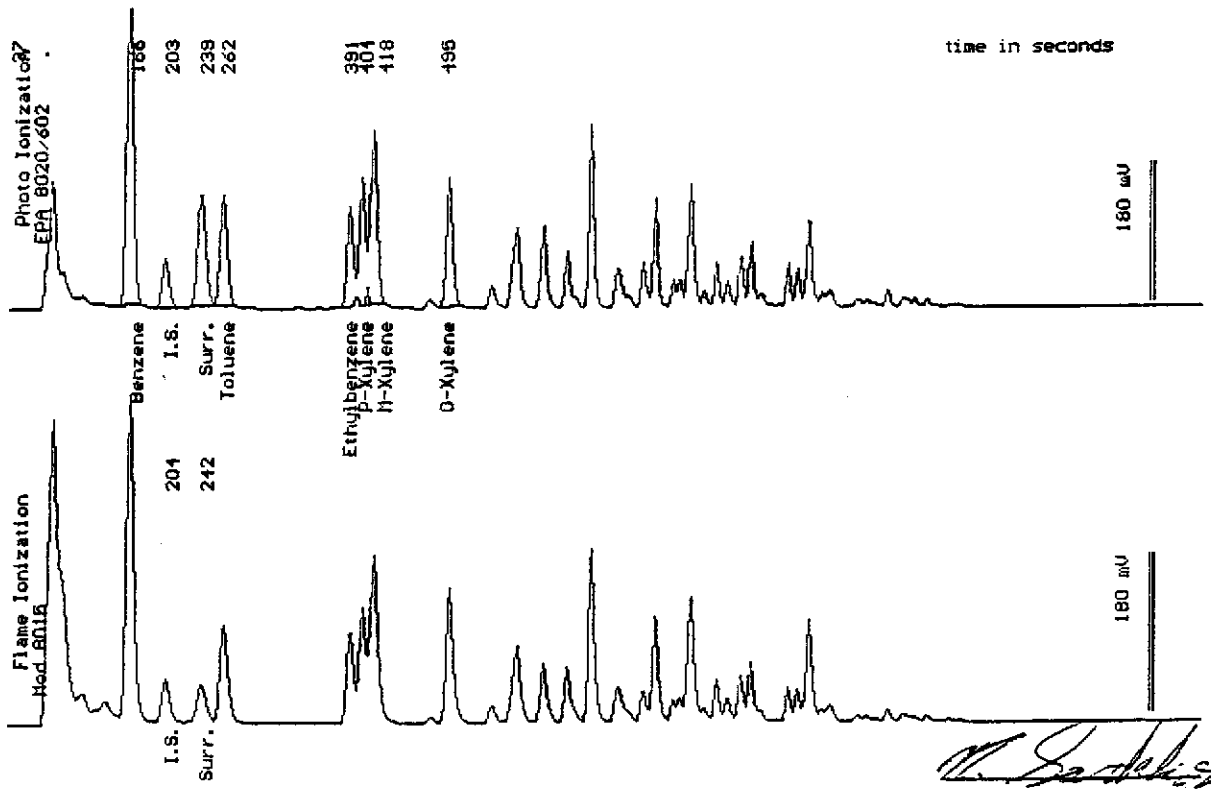
Sample Log 9568

9568-L2

Sample: RW-1

From : Project # D093-936-4 (Beacon 721)
Sampled : 06/07/94
Dilution : 1:1 QC Batch : 2084C
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	130
Toluene	(.50)	51
Ethylbenzene	(.50)	45
Total Xylenes	(.50)	180
TPH as Gasoline	(50)	1700
Surrogate Recovery		99 %



Date Analyzed: 06-11-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	JON BLACK	6-7-94	1 of 2

Project No.: D093-936-4

Sampler (Signature): Jim Perry for Jon Black

Project Location: SAN LORENZO

Affiliation: DELTA ENVIRONMENTAL

WEST LAB - DAVIS, CA.

STANDARD TAT

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)						No. of Containers	REMARKS
MW-1	6-7-94	14:05		X	X							2	
MW-2	↓	13:15		X	X							2	
MW-3	↓	14:20		X	X							2	
MW-4	↓	13:50		X	X							2	
MW-5	↓	12:58		X	X							2	
MW-6	↓	12:40		X	X							2	
MW-7	↓	12:05		X	X							2	
MW-8	6-7-94	11:45		X	X							2	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Jim Perry / DELTA	6/8/94	08:00	[signature] / Delta	6/8/94	0800
[signature] / Delta	6/8/94	1153	[signature]	6/8/94	1155
[signature]	6/8/94	12:50	S. [signature]	6/8/94	1250

Report To: TODD GALATI / DELTA
(916) 638-2085
FAX (916) 638-8385

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

32-8003 1/90

WHITE: Return to Client 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	JON BLACK	6-7-94	
Project No.	**Sampler (Signature)**	WEST LAB / DAVIS, CA	
D093-936-4	Jim Perry FOR Jon Black	STANDARD TAT	
Project Location	**Affiliation**		
SAN LORENZO	DELTA ENVIRONMENTAL		

Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW-9	6-7-94	12:20		X	X		2	
MW-10	↓	11:30		X	X		2	
MW-11	↓	11:15		X	X		2	
TRW-1	6-7-94	14:30		X	X		2	

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Jim Perry / DELTA	6/8/94	08:00	[signature] / Delta	6/8/94	0800
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / Delta	6/8/94	11:53	[signature]	6/8/94	11:55
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature]	6/8/94	12:50	[signature]	6/8/94	1250

Report To: TODD GALATI / DELTA
FAX (916) 638-8385

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

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

32-8003 1/90

May 24, 1994
Sample Log 9412

Jon Black
Delta Environmental Consultants, Inc.
3330 Data Drive
Rancho Cordova, CA 95670

Subject: Analytical Results for 2 Water Samples
Identified as: Project # 93-936 (Beacon 721)
Received: 05/19/94

Dear Mr. Black:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on May 24, 1994 and describes procedures used to analyze the samples.

Sample(s) were received in 40-milliliter glass vials sealed with TFE lined septae and plastic screw-caps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

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:

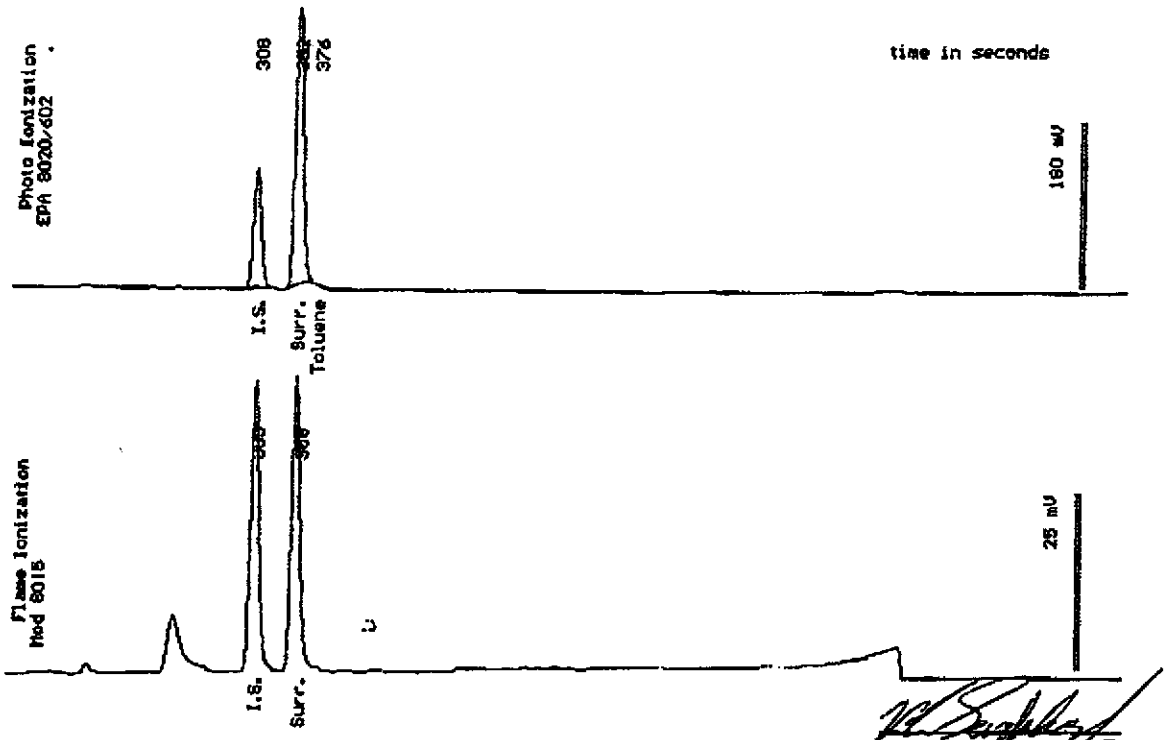
Stewart Podolsky
Senior Chemist

Sample Log 9412
9412-1

Sample: GAC mid

From : Project # 93-936 (Beacon 721)
Sampled : 05/18/94
Dilution : 1:1 QC Batch : 2078c
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 05-20-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

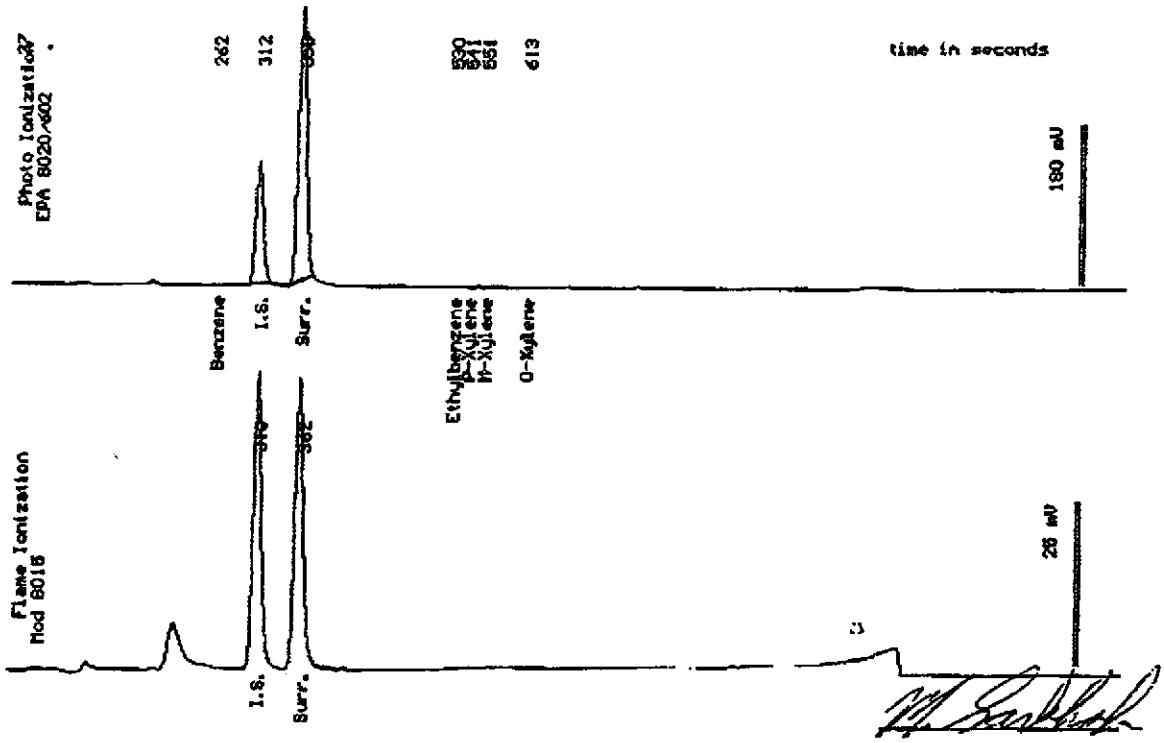
Sample Log 9412

9412-2

Sample: GAC eff

From : Project # 93-936 (Beacon 721)
Sampled : 05/18/94
Dilution : 1:1 QC Batch : 2078c
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		97 %



Date Analyzed: 05-20-94
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Mitra Sarkhosh
Senior Chemist

Anlab
ANALYTICAL LABORATORY
1910 S STREET, SACRAMENTO, CALIFORNIA 95814 • 916-447-2946 • FAX 916-447-8321

May 25, 1994

Western Environmental Science
& Technology
1046 Olive Drive, Suite 3
Davis, CA 95616
Attn: Les Biddle

P.O.#: 9412
Project #: 93-936
Project Name: Beacon #721
Project Location: San Lorenzo

Anlab I.D. AD12260 — Client Code: 315
SAMPLE DESCRIPTION: GAC EFF — Matrix: W
Sample collection date: 05/18/94 — Time: 16:45
Lab submittal date: 05/19/94 — Time: 11:52
Turn-Around-Time: RUSH 5 — Sample Disposal: LAB

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
COD by EPA 410.4	mg/l	ND	3
Tot. Suspended Solids, EPA 160.2	mg/l	ND	3

ND = Not Detected

Report Approved By: Marilyn Fu
ELAP ID #: 1468

:jj

G112

Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print Name)	Date	Form No.
721	JW Black	5-18-94	1 of 1
Project No. 93-936	**Sampler (Signature)** JW Black		
Project Location San Lorenzo CA	**Affiliation** Delta		

Sample No./Identification	Date	Time	Lab No.	ANALYSES: BTEX	TPH (gasoline)	TPH (diesel)	COD	Sulfates	No. of Containers	REMARKS
GAC mid	5-18-94	16:44		X	X				2	Standard
GAC eff	5-18-94	16:45		X	X		X	X	4	turnaround

WEST

QC 5/19/94

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
JW Black	5/19/94	08:30	T. Ahrens/Delta	5/19/94	0830
T Ahrens/Delta	5/19/94	1035	JW Black	5/19/94	1046
JW Black	5/19/94	11:25	West	5/19/94	1125

Report To: JW Black / Delta
Fax 916 638-8385
ph -2085

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

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

32-8003 1/90