Ultramar

ALCO HAZMAT

Ultramar Inc. P.O. Box 466 525 W. Third Street Hanford, CA 93232-0466

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: April 27, 1994

QUARTER ENDING: March 31, 1994

SERVICE STATION NO.: 720

ADDRESS: 1088 Marina Blvd., San Leandro, CA

COUNTY: Alameda

ULTRAMAR CONTACT: Terrence A. Fox

TEL. NO: 209-583-5545

BACKGROUND:

In January 1987, three underground gasoline storage tanks and one waste oil tank were excavated and removed from two tank Samples collected from beneath the former tanks cavities. indicated that hydrocarbons were present in the soil. In March 1987, five monitoring wells (MW-1 through MW-5) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells with the highest concentrations being detected in the area of MW-4. In July 1987, four soil were drilled in the vicinity of MW-4 to further characterize the soil contamination in that area. TPH concentrations above 100 ppm were detected in each boring. The site has been on a monitoring program since June 1987.

In July 1990, the site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued.

August 1991, perform shallow ground water study as In screening tool to locate wells.

In October 1991, installed three additional wells to further define the extent of the dissolved hydrocarbon plume.

In October 1993, performed a ground-water pump test, a vapor extraction test, and a air sparging test.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on March 18, 1994. Preparing a Problem Assessment Report/Remedial Action Plan.



Beacon Station 720 Page 2

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that the benzene concentration remained not detected in MW-6 and MW-7. The benzene concentration decreased in MW-1 from 1,000 ppb to 320 ppb and in MW-3 from 130 ppb to 32 ppb. Benzene concentrations increased in MW-2 from 1,500 ppb to 1,600 ppb, in MW-4 from 6,900 ppb to 17,000 ppb, in MW-5 from 3,600 ppb to 8,200 ppb, and in MW-8 from 240 ppb to 1,600 ppb.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY

ESTIMATED COMPLETION DATE

Continue quarterly monitoring program.

Submit a PAR/RAP.

May 14, 1994

FUGRO WEST, INC.

ALCO HAZMAT

R 32 FM 12: 23



1050 Melody Lane, Suite 160 Roseville, California 95678 Tel: (916) 782-2110 FAX: (916) 786-7830



April 18, 1994

Mr. Terrence Fox
Environmental Specialist
Ultramar Inc.
525 West Third Street
Hanford, California 93232-0466

Subject:

First Quarter 1994 Groundwater Monitoring Report

Beacon Station #720

1088 Marina Boulevard, San Leandro, California

Dear Mr. Fox:

This report documents the results of quarterly groundwater monitoring conducted on March 18, 1994, at the subject site (Figure 1). The monitoring, conducted by Doulos Environmental, included measurements of depth to groundwater, subjective analysis for free product, groundwater purging and collection of groundwater samples. All field activities pertaining to events in this report were conducted according to the Ultramar Field Procedures included in the Attachments.

GROUNDWATER ELEVATIONS

Prior to purging, Doulos Environmental personnel collected depth to groundwater measurements. Groundwater level data from March 1992 to date are summarized in Table 1. Historic groundwater levels are presented as an Attachment. On the basis of the current measurements, groundwater flows to the southeast (Figure 2) at a gradient of <0.01 ft/ft. Groundwater levels have increased an average of 1.05 feet compared to the last monitoring event.



GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from eight wells. All samples were analyzed for concentrations of:

- TPH, as gasoline, by modified EPA Method 8015;
- BTEX by EPA Method 602.

Analytical results from March 1992 to date are summarized in Table 2. Historic analytical data is presented as an Attachment. Figure 3 is a distribution map of benzene in groundwater based on the current data. The laboratory report and chain-of-custody form for the current sampling event are attached. Benzene concentrations remain nondetectable in wells MW-6 and MW-7. Concentrations decreased in wells MW-1 and MW-3 and increased in wells MW-2, MW-4, MW-5, and MW-8 compared to prior sampling.

A copy of this quarterly monitoring report should be forwarded to the following parties:

Mr. Rafat Shahid Division of Hazardous Materials Alameda County Health Care Services 80 Swan Way, Room 200 Oakland, California 94621

94-720-1.OMR



The interpretations and/or conclusions that may be contained within this report represent our professional opinions. These opinions are based on currently available information. Other than this, no warranty is implied or intended. This report has been prepared solely for the use of Ultramar, Inc. Any reliance on this report by third parties shall be at such parties' sole risk. This report was prepared under the review and supervision of the professional geologist/engineer, registered with the State of California, whose signature appears below.

If you have any questions or comments, please contact us at (916) 782-2110.

Sincerely,

FUGRO WEST, INC.

Mila K. Kidrydo

No. 5853 Exp. 11/30/9!

Sheila R. Richgels Report Coordinator

Owen M. Kittree

Registered Geo CRG No. 5851

Dota

SRR/OMK/srr

Attachments

94-720-1.QMR

- 3 -

FIGURES:

FIGURE 1

FIGURE 2

POTENTIOMETRIC SURFACE MAP (MARCH 18, 1994)

FIGURE 3

DISTRIBUTION OF BENZENE IN GROUNDWATER (MARCH 18, 1994)

TABLES:

TABLE 1

WATER LEVEL DATA TABLE 2

ANALYTICAL RESULTS: GROUNDWATER

ATTACHMENTS:

ULTRAMAR FIELD PROCEDURES

LABORATORY REPORT AND CHAIN-OF-CUSTODY FORM

HISTORICAL DATA

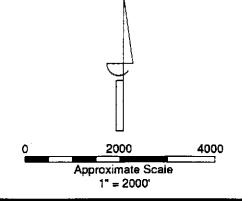
DOULOS ENVIRONMENTAL FIELD DATA SHEETS



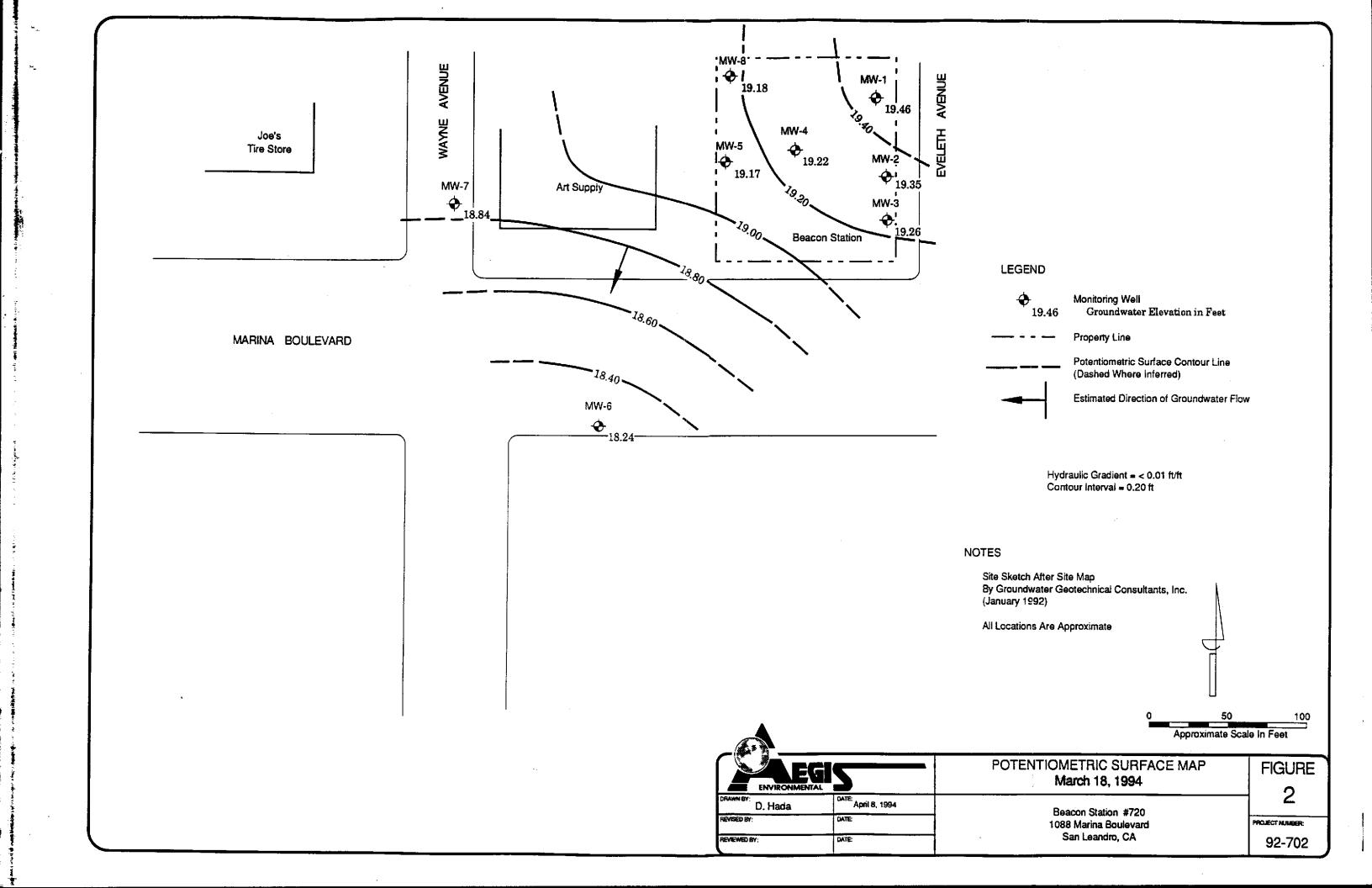


GENERAL NOTES:

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC SAN LEANDRO, CA



AEGIS ENVIRONIMENTAL, INC.		SITE LOCATION MAP	FIGURE	
DRAWN BY:	DATE:	Beacon #720	1	
REVISED BY: DATE:		1088 Marina Boulevard	PROJECT NUMBER:	
REVIEWED BY:	DATE:	San Leandro, CA	92-702	



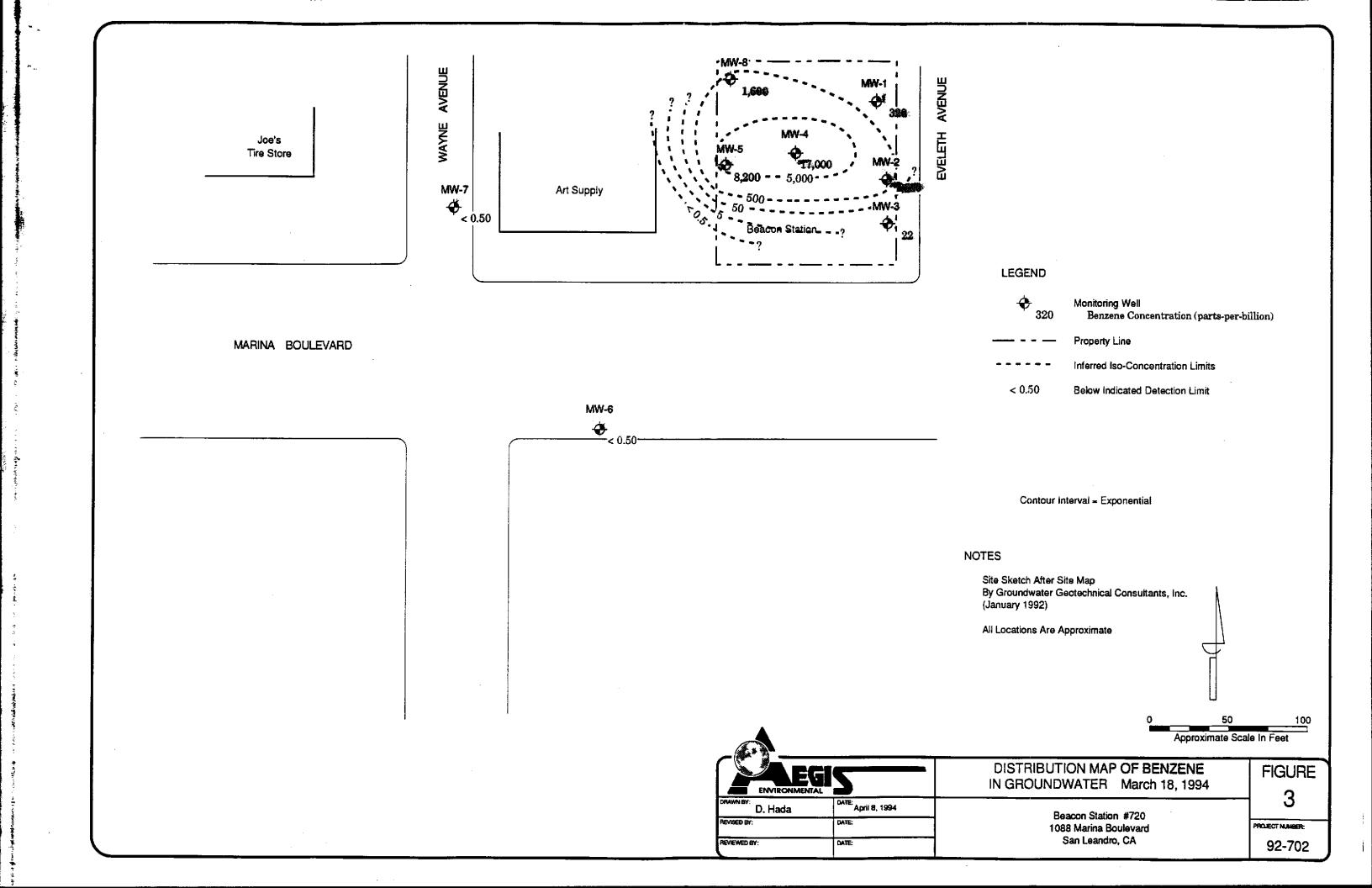
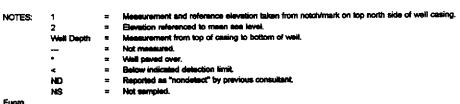


TABLE 1 WATER LEVEL DATA **BEACON STATION #720**

1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing) ¹	Depth to Groundwater ¹	Groundwater Elevation ²	Well Depth	Comments
MW-1	03/30/92	33.10	13.58	19.52		
	07/01/92		14.80	18.30		
	09/30/92		16.12	16.98		
	11/19/92		16.34	16.76	27.76	
	02/03/93		12.61	20.49	27.72	
	05/25/93		13.12	19.98	27.70	
	09/22/93		14.18	18.92	27.73	
	12/21/93		14.36	18.74	27.70	
	03/18/94		13.64	19.46	27.67	
MW-2	03/30/92	32.80	13.32	19.48]	
	07/01/92		14.42	18.38		
	09/30/92		15.78	17.02		
	11/19/92		15.99	16.81	24.56	
	02/03/93		12.31	20.49	25.37	
	05/25/93		12.97	19.83	25.31	
	09/22/93		14.32	18.48	25.34	
	12/21/93		14.52	18.28	25.31	
	03/18/94		13.45	19.35	25.49	
MW-3	03/30/92	32.30	12.96	19.34	_	
	07/01/92		14.00	18.30		
	09/30/92		15.36	16.94		
	11/19/92		15.57	16.73	24.45	
	02/03/93		11.96	20.34	24.54	
	05/25/93		14.12	18.18	24.50	
	09/22/93		13.88	18.42	24.50	
	12/21/93		14.12	18.18	24.50	
	03/18/94		13.04	19.26	24.57	-t-'''
MW-4	03/30/92	32.90	13.60	19.30		
	07/01/92		15.72	17.18		
	09/30/92		16.04	16.86		
	11/19/92		16.21	16.69	26.92	
	02/03/93		12.70	20.20	27.00	
	05/25/93		12.97	19.93	26.88	
	09/22/93		14.51	18.39	26.90	
	12/21/93		14.75	18.15	26.90	
	03/18/94		13.68	19.22	27.24	-
MW-5	03/30/92	32.70	13.48	19.22		
	07/01/92		14.58	18.12		
	09/30/92		15.82	16.88		
	11/19/92		16.00	16.70	27.56	
	02/03/93		12.40	20.30	27.61	
	05/25/93		13.01	19.69	27.61	
	09/22/93		14.37	18.33	27.64	
	12/21/93		14.58	18.12	27.01	
	03/18/94		13.53	19.17	28.70	



Fugra

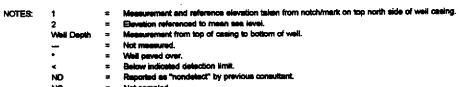
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TABLE 1 WATER LEVEL DATA **BEACON STATION #720**

1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing) ¹	Depth to Groundwater ¹	Groundwater Elevation ²	Weil Depth	Comments
MW-6	03/30/92	30.40	12.62	17.78		
	07/01/92		12.70	17.70	-	
	09/30/92		13.40	17.00	1 -	
	11/19/92		13.59	16.81	15.10	
	02/03/93		12.43	17.97	15,01	
	05/25/93		***			*
	10/11/93		12.82	17.58	15.10	
	12/21/93		13.06	17.34	15.10	
	03/18/94		12.16	18.24	15.16	L
MW-7	03/30/92	31.20	12.34	18.86		
797 44 - 1	07/01/92	52.20	15.54	15.66		
	09/30/92		14.64	16.56		
	11/19/92		14.80	16,40	25.10	
	02/03/93		11,36	19.84	25.02	
	05/25/93					*
	09/22/93		13.18	18.02	25.01	
	12/21/93		13.42	17.78	25.02	
	03/18/94		12.36	18.84	25.13	
MW-8	03/30/92	33.80	14.66	19.14		
M 44 -0	07/01/92	23.90	15.74	18.06		
	09/30/92		17.00	16.80	-	
	11/19/92		17.01	16.79	29.75	1
	02/03/93		13.83	19.97	29.88	
	05/25/93		13.01	20.79	29.86	
	09/22/93		15.81	17.99	24.52	
	12/21/93		16.05	17.75	29.86	
	03/18/94		14.62	19.18	29.87	1



ND

NS = Not sampled.

Fugro 94-720/March 1994

TABLE 2

ANALYTICAL RESULTS: GROUNDWATER

BEACON STATION #720

1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(All results in parts-per-billion)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	Benzene	Toluene	Ethyl- benzene	Total Xylenes	
MW-1	03/30/92	27,000	630	550	540	1,900	
	07/01/92	55,000	840	1,000	830	3,600	
	09/30/92	6,400	150	95	120	470	
	11/19/92	1,300	90	11	50	87	
	02/03/93	53,000	750	560	950	5,700	
	05/25/93	9,400	200	86	470	1,500	
	09/22/93	41,000	1,000	510	850	1,100	
	12/21/93	41,000	1,000	490	2,700	13,000	
	03/18/94	9,500	320	160	830	2,900	
MW-2	03/30/92	52,000	2,300	1,700	940	3,300	
	07/01/92	130,000	3,500	2,900	1,900	7,900	
	09/30/92	24,000	890	350	500	1,700	
	11/19/92	32,000	1,900	1,700	870	3,400	
	02/03/93	64,000	1,900	2,200	860	4,100	
	05/25/93	34,000	3,300	1,500	1,300	5,900	
	09/22/93	8,000	640	150	270	2,000	
	12/21/93	18,000	1,500	410	1,300	5,000	
	03/18/94	14,000	1,600	790	1,100	3,700	
MW-3	03/30/92	21,000	560	50	630	980	
1A1 A4 -73	07/01/92	13,000	150	20	22	300	
	09/30/92	4,500	53	2.6	84	96	
	11/19/92	4,700	73	6.2	140	120	
	02/03/93	23,000	220	40	430	740	
	05/25/93	9,900	120	26	370	520	
	09/22/93	10,000	370	71	320	640	
	12/21/93	7,800	130	8.5	430	380	
	03/18/94	3,100	22	1.3	78	41	
	00.000		8,000	4,400	730	2,500	
MW-4	03/30/92	76,000	-	2,200	70	880	
	07/01/92	95,000	6,900 7,100	1,500	650	2,700	
	09/30/92	58,000	· ·	840	400	1,400	
•	11/19/92	33,000	5,500 8,200	6,700	940	4,400	
	02/03/93	130,000	8,200 16,000	6,600	1,700	8,100	
	05/25/93	63,000	6,900	940	150	3,000	
	09/22/93	23,000	1	1,900	1,100	5,500	
	12/21/93 03/18/94	28,000 58,000	6,900 17,000	6,300	2,500	10,000	
	U3/16/74	26,000					
MW-5	03/30/92	29,000	2,600	980	390	1,100	
	07/01/92	52,000	2,400	1,000	5,200	2,000	
•	09/30/92	32,000	1,800	780	370	1,700	
	11/19/92	7,800	1,000	280	120	370	
	02/03/93	74,000	3,500	3,000	780	3,200	
	05/25/93	57,000	7,900	4,700	1,900	7,800	
	09/22/93	52,000	7,600	2,400	1,200	8,800	
	12/21/93	23,000	3,600	1,200	970	3,600	
	03/18/94	47,000	8,200	5,000	1,400	6,100	

NOTES:

NO NG

Below indicated detection limit.
Reported as "nondetect" by previous consultant.
Not sumpled.

Fugro 94-720/March 1994

TABLE 2

ANALYTICAL RESULTS: GROUNDWATER

BEACON STATION #720

1988 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(All results in parts per-billion)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	Benzene	Toluene	Ethyl- benzene	Total Xylenes	
MW-6	03/30/92	73	2.1	1.1	ND	0.6	
•••	07/01/92	ND	ND	ND	ND	ND	
	09/30/92	ND	0.73	ND	ND	0.58	
	11/19/92	96	1.5	<0.5	<0.5	0.9	
	02/03/93	73	0.6	<0.5	<0.5	<0.5	
	05/25/93	NS	NS	NS	NS	NS	
	10/11/93	<50	<0.5	<0.5	<0.5	<0.5	
	12/21/93	<50	<0.5	<0.5	<0.5	<0.5	
	03/18/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-7	03/30/92	ND	ND	ND	ND	ND	
442	07/01/92	ND	ND	ND	ND	ND	
	09/30/92	ND	ND	ND	ND	ND	
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	
	02/03/93	<50	<0.5	<0.5	<0.5	<0.5	
	05/25/93	NS	NS	NS	NS	NS	
	09/22/93	<50	0.51	0.82	<0.5	0.81	
	12/21/93	<50	<0.5	<0.5	<0.5	<0.5	
	03/18/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-8	03/30/92	3,000	1,700	880	970	1,900	
14T 44 - O	07/01/92	72,000	1,800	550	520	2,200	
	09/30/92	12,000	680	140	140	560	
:	11/19/92	9,600	530	310	130	560	
	02/03/93	44,000	1,500	1,300	490	2,300	
	05/25/93	7,400	580	160	170	480	
	09/22/93	2,400	490	45	37	140	
	12/21/93	1,400	240	7.5	<2.5	82	
:	03/18/94	8,600	1,600	680	470	1,900	

NOTES:

ND NS

Below indicated detection limit. Reported as "nondetect" by previous consultant. Not sempled.

Fugro 94-720/March 1994

ULTRAMAR FIELD PROCEDURES

The following section describes procedures used by Ultramar field personnel in the performance of ground water sampling.

Ground Water Level and Total Depth Determination

A water level indicator is lowered down the well and a measurement of the depth to water from an established reference point on the casing is taken. The indicator probe is used to sound the bottom of the well and a measurement of the total depth of the well is taken. Both the water level and total depth measurements are taken to the nearest 0.01-foot.

Visual Analysis of Ground Water

Prior to purging and sampling ground water monitoring wells, a water sample is collected from each well for subjective analysis. The visual analysis involves gently lowering a clean, disposable, polyethylene bailer to approximately one-half the bailer length past the water table interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating product or the appearance of a petroleum product sheen. If measurable free product is noted in the bailer, a water/product interface probe is used to determine the thickness of the free product to the nearest 0.01-foot. The thickness of free product is determined by subtracting the depth to product from the depth to water.

Monitoring Well Purging and Sampling

Monitoring wells are purged by removing approximately four casing volumes of water from the well using a clean disposable bailer or electrical submersible purge pump. Purge volumes are calculated prior to purging. During purging the temperature, pH, and electric conductivity are monitored. The well is sufficiently purged when: the four casing volumes have been removed; the temperature, pH, and conductivity have stabilized to within 10% of the initial readings; and the ground water being removed is relatively free of suspended solids. After purging, ground water levels are allowed to stabilize to within 80% of the initial water level reading. A water sample is then collected from each well with a clean, disposable polyethylene bailer. If the well is bailed dry prior to removing the minimum volume of water, the ground water is allowed to recharge. If the well has recharged to within 80% of the initial reading within two hours, the well will continue to be purged until the minimum volume of water has been removed. If the well has not recharged to at least 80% of the initial reading within two hours, the well is considered to contain formational water and a ground water sample is collected. Ground water removed from the well is stored in 55-gallon drums at the site and labeled pending disposal.

In wells where free product is detected, the wells will be bailed to remove the free product. An estimate of the volume of product and water will be recorded. If the free product thickness is reduced to the point where a measurable thickness is no longer present in the well, a ground water sample will be collected. If free product persists throughout bailing, a final free product thickness measurement will be taken and a ground water sample will not be collected.

Samples are stored in 40-milliliter vials so that air passage through the sample is minimized (to prevent volatilizing the sample). The vial is titted and filled slowly until an upward convex meniscus forms over the mouth of the vial. The Teflon side of the septum (in cap) is then placed against the meniscus, and the cap is screwed on tightly. The sample is then inverted and the bottle is tapped lightly to check for air bubbles. If an air bubble is present in the vial, the cap is removed and more sample is transferred from the bailer. The vial is then resealed and rechecked for air bubbles. The sample is then appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. A Chain-of-Custody form is completed to ensure sample integrity. Ground water samples are transported to a state-certified laboratory and analyzed within the EPA-specified holding times for the requested analyses.

TABLE 1

GROUNDWATER ELEVATIONS Page 1 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
Groundwater Monitoring Well MW-1:	Eievation	of Top of Casing = 29.89 feet
June 23, 1987	14.79	15.10
July 06, 1987	14.93	14.96
August 06, 1987	14.22	15.67
November 04, 1987	15.74	14.15
February 02, 1988	13.99	15.90
May 02, 1988	14.99	14.90
November 21, 1988	13.03	16.86
February 14, 1989	15.86	14.03
May 02, 1989	14.77	15.12
August 10, 1989	16.35	13.54
November 08, 1989	16.46	13.43
February 20, 1990	15.58	14.31
May 18, 1990	16.40	13.49
September 15, 1990	16.83	13.06
November 26, 1990	17.16	12.73
February 07, 1991	16.43	13.46
May 14, 1991	14.93	14.96
August 16, 1991	16.35	13.54
Groundwater Monitoring Well MW-1:	New Elevation	of Top of Casing = 33.10 feet
December 24, 1991	17.20	15.90
March 30, 1992	13.58	19.52
Groundwater Monitoring Well MW-2:	Elevation	of Top of Casing = 29.57 feet
June 23, 1987	14.51	15.06

TABLE 1
GROUNDWATER ELEVATIONS
Page 2 of 5

	Depth to Groundwater	Groundwater Elevation
Date Sampled	(Feet)	(Feet)
July 06, 1987	14.63	14.94
August 06, 1987	14.95	14,62
November 04, 1987	15.45	14.12
February 02, 1988	13.74	15.83
May 02, 1988	14.63	14.94
November 21, 1988	12.99	16.58
February 14, 1989	15.66	13.91
May 02, 1989	14.56	15.01
August 10, 1989	16.22	13.35
November 08, 1989	16.19	13.38
February 20, 1990	15.34	14.23
May 18, 1990	16.20	13.37
September 15, 1990	16.42	13.05
November 26, 1990	16.83	12.74
February 07, 1991	16.13	13.44
May 14, 1991	14.62	14.95
August 16, 1991	16.00	13.57
Groundwater Monitoring Well MW-2:	New Elevation of	Top of Casing = 32.80 feet
December 24, 1991	16.90	15.90
March 30, 1992	13.32	19.48
Groundwater Monitoring Well MW-3:	Elevation of	Top of Casing = 29.13 feet
June 23, 1987	14.13	15.00
July 06, 1987	14.24	14.89
August 06, 1987	14.52	14.61
November 04, 19887	15.09	14.04
February 02, 1988	13.37	15.76

TABLE 1

GROUNDWATER ELEVATIONS Page 3 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
May 02, 1988	14.22	14.91
November 21, 1988	13.01	16.12
February 14, 1989	15.22	13.91
May 02, 1989	14.16	14.97
August 10, 1989	15.61	13.52
November 08, 1989	15.75	13.38
February 20, 1990	14.95	14.18
May 18, 1990	15.79	13.34
September 15, 1990	16.07	13.06
November 26, 1990	16.36	12.77
February 07, 1991	15.74	13.39
May 14, 1991	14.19	14.94
August 16, 1991	15.55	13.58
Groundwater Monitoring Well MW-3:	New Elevation o	f Top of Casing = 32.30 feet
December 24, 1991	16.40	15.90
March 30, 1992	12.96	19.34
Groundwater Monitoring Well MW-4:	Elevation o	f Top of Casing = 29.72 feet
June 23, 1987	14.77	14.95
July 06, 1987	14.91	14.81
August 06, 1987	15.19	14.53
November 04, 1987	15.72	14.00
February 02, 1088	14.03	15.69
May 02, 1988	14.89	14.83
November 21, 1988	12.88	16.84
February 14, 1989	15.83	13.89
May 02, 1989	14.75	14.97

GROUNDWATER ELEVATIONS Page 4 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)		
August 10, 1989	16.30	13.42		
November 08, 1989	16.29	13.43		
February 20, 1990	15.62	14.10		
May 18, 1990	16.34	13.38		
September 15, 1990	16.79	12.93		
November 26, 1990	17.08	12.64		
February 07, 1991	16.37	13.35		
May 14, 1991	14.87	14.85		
August 16, 1991	16.25	13.47		
Groundwater Monitoring Well MW-4:	New Elevation of Top of Casing = 32.90 fe			
December 24, 1991	17.10	15.80		
March 30, 1992	13.60	19.30		
Groundwater Monitoring Well MW-5:	Elevation of	Top of Casing = 29.55 feet		
June 23, 1987	14.63	14,92		
July 06, 1987	14.79	14.76		
August 06, 1987	15.07	14.48		
November 04, 1987	15.61	13.94		
February 02, 1988	13.84	15.71		
May 02, 1988	14.77	14.78		
November 21, 1988	12.84	16.71		
February 14, 1989	15.72	13.83		
May 02, 1989	14.68	14.87		
August 10, 1989	16.03	13.52		
November 08, 1989	16.33	13.22		
February 20, 1990	15.44	14.11		

TABLE 1

GROUNDWATER ELEVATIONS Page 5 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
May 18, 1990	16.22	13.33
September 15, 1990	16.65	12.90
November 26, 1990	16.95	12.60
February 07, 1991	16.20	13.35
May 14, 1991	14.72	14.38
August 16, 1991	16.10	13.45
Groundwater Monitoring Well MW-5:	New Elevation of	Top of Casing = 32.70 feet
December 24, 1991	16.92	15.78
March 30, 1992	13.48	19.22
Groundwater Monitoring Well MW-6:	Elevation of	Top of Casing = 30.40 feet
December 24, 1991	14.12	16.28
March 30, 1992	12.62	17.78
Groundwater Monitoring Well MW-7:	Elevation of	Top of Casing = 31.20 feet
December 24, 1991	15.70	15.50
March 30, 1992	12.34	18.86
Groundwater Monitoring Well MW-8:	Elevation of	Top of Casing = 33.80 feet
December 24, 1991	18.00	15.80
March 30, 1992	14.66	19.14

Notes:

- All elevations surveyed to an arbitrary datum
- Elevations and depths are given in feet 2)
- 3)
- Groundwater Technology, Inc., made measurements until February 1989 Du Pont Environmental Services collected samples from February 1989 through February 1991 4)
- Environmental Geotechnical Consultants, Inc., made measurements beginning in May 1991 5)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 1 of 5

Well	Date	Benzene	Toluene	Ethyl- benzene	Xylenes	TPH-G	
No.	Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	Comments
MW-1	Apr. 16, 1987	2,313	3,770	664.1	3,331	17,276	
	June 23, 1987	1,887	2,141	466.7	1,652	26,027	
	July 06, 1987	778.2	943.7	133.2	422.1	3,938	
	Aug. 06, 1987	1,270	1,576	288.7	873.7	6,079	
	Nov. 04, 1987	1,700	4,000	720	2,200	15,000	
	Feb. 02, 1988	1,500	1,700	230	740	14,000	
	May 02, 1988	3,500	700	4,900	2,700	33,000	
	Nov. 21, 1988	2,200	560	2,800	2,200	15,000	
•	Feb. 14, 1989	1,700	1,700	340	1,500	12,000	Odor
	May 02, 1989	1,500	2,400	510	2,400	18,000	Odor, Slight Sheen
	Aug. 10, 1989	1,400	1,500	360	1,600	10,000	Odor
	Nov. 08, 1989	920	470	190	360	7,200	Odor
	Feb. 20, 1990	810	540	270	800	3,300	
	May 18, 1990	1,900	500	560	1,600	5,600	
	Sep. 15, 1990	320	110	150	520	5,200	Odor
	Nov. 26, 1990	370	59	150	370	3,000	Odor
•	Feb. 07, 1991	750	570	480	1,800	14,000	
	May 14, 1991	1,000	1,400	600	2,500	41,000	
	Aug. 16, 1991	310	210	150	480	4,000	Odor
	Dec. 24, 1991	530	95	310	680	11,000	Moderate Odor
-	Mar. 30, 1992	630	550	540	1,900	27,000	Odor
MW-2	Apr. 16, 1987	3,131	4,239	1,067	4,608	17,920	
	June 23, 1987	2,188	2,622	1,047	4,699	49,354	
	July 06, 1987	1,575	1,729	457	1,702	8,676	
	Aug. 06, 1987	2,623	3,722	702	2,882	14,376	
	Nov. 04, 1987	2,200	4,100	900	3,500	19,000	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 2 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	TPH-G (µg/L)	Comments
MW-2	Feb. 02, 1988	6,200	6,500	1,000	4,000	54,000	
	May 02, 1988	6,800	1,300	7,100	5,400	53,000	
	Nov. 21, 1988						Free product
	Feb. 14, 1989	6,900	4,300	1,100	5,200	48,000	Film of free product
	May 02, 1989	6,100	8,800	2,100	16,000	111,000	Odor, sheen
	Aug. 10, 1989	4,200	2,900	1,000	5,800	39,000	Odor, sheen
	Nov. 08, 1989	3,700	1,500	740	2,200	45,000	Odor, heavy sheen
	Feb. 20, 1990	5,000	8,200	1,600	11,000	60,000	
	May 18, 1990	6,200	1,900	1,300	610	19,000	
	Sep. 15, 1990	1,400	820	660	3,000	27,000	Odor, sheen
	Nov. 26, 1990	1,100	880	700	3,800	28,000	Odor, sheen
	Feb. 07, 1991	2,100	1,900	1,300	6,200	63,000	Odor, sheen
	May 14, 1991	2,200	2,700	1,100	5,900	100,000	Moderate odor Slight sheen
	Aug. 16, 1991	1800	950	990	3900	32,000	Slight odor, sheen
	Dec. 24, 1991	1,100	550	750	2,700	30,000	Odor, sheen
	Mar. 30, 1992	2,300	1,700	940	3,300	52,000	Odor, sheen
MW-3	Apr. 16, 1987	1,371	2,438	472.3	2,617	9,967	
	June 23, 1987	646.2	822.9	320.9	1,280	16,824	
	July 06, 1987	340.3	384.2	116.5	420.2	3,395	
	Aug. 06, 1987	441.9	436.3	118.2	417.3	3,107	
	Nov. 04, 1987	320	280	74	250	2,600	
	Feb. 02, 1988	2,200	2,300	500	2,300	44,000	
	May 02, 1988	1,600	450	840	1,700	14,000	
	Nov. 21, 1988	1,200	220	560	810	8,100	
	Feb. 14, 1989	1,500	220	220	500	5,500	Odor

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 3 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xyienes (µg/L)	TPH-G (µg/L)	Comments
<u></u>	Aug. 10, 1989	750	10	190	210	2,700	Odor
	Nov. 08, 1989	370	90	ND	58	2,400	Odor
	Feb. 20, 1990	1,200	810	77	460	3,700	
	May 18, 1990	980	ND	330	250	2,300	
_	Sep. 15, 1990	240	36	150	230	4,700	Odor
	Nov. 26, 1990	170	8.4	86	120	1,400	Odor
	Feb. 07, 1991	220	20	120	230	2,900	
	May 14, 1991	370	39	220	820	15,000	
	Aug. 16, 1991	480	50	360	680	7,200	Slight Odor
	Dec. 24, 1991	150	20	100	140	4,900	Slight Odor
	Mar. 30, 1992	560	50	630	980	21,000	Odor
MW-4	Apr. 16, 1987	5,896	3,797	893.9	4,106	19,309	
	June 23, 1987	4,030	1,842	850.0	3,254	31,429	
	July 06, 1987	2,710	1,247	308.2	1,312	8,117	
	Aug. 06, 1987	3,992	1,589	447.9	1,611	10,464	
	Nov. 04, 1987	9,500	17,000	2,800	11,000	55,000	
	Feb. 02, 1988	11,000	7,400	1,400	6,200	47,000	
	May 02, 1988	9,200	1,300	6,100	6,400	58,000	
	Nov. 21, 1988	5,700	1,600	3,100	7,600	48,000	<u> </u>
	Feb. 14, 1989	8,700	2,500	900	3,800	29,000	Odor & sheen
	May 02, 1989	4,800	5,600	1,800	8,800	69,000	Odor, slight sheen
	Aug. 10, 1989	15,000	6,600	1,800	12,000	67,000	Odor, slight sheen
	Nov. 08, 1989	11,000	3,200	1,100	4,400	71,000	Odor, slight sheen
	Feb. 20, 1990	8,100	4,500	930	3,500	19,000	
	May 18, 1990	45,000	12,000	5,000	27,000	100,000	
	Sep. 15, 1990	4,200	1,200	740	3,000	38,000	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 4 of 5

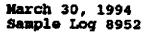
Well No.	Date Sampled	Benzene (µg/L)	Toluene (μg/L)	Ethyl- benzene (µg/L)	Xylenes (μg/L)	TPH-G (µg/L)	Comments
MW-4	Nov. 26, 1990	2,800	650	810	2,600	19,000	Odor
	Feb. 07, 1991	4,600	1,100	1,600	4,600	41,000	Odor, sheen
	May 14, 1991	7,300	830	3,900	3,600	100,000	Slight odor, sheen
	Aug. 16, 1991	8,000	2,500	1,100	4,000	45,000	Strong odor, sheen
	Dec. 24, 1991	6,000	1,200	1,100	3,700	79,000	Odor, sheen
	Mar. 30, 1992	8,000	4,400	730	2,500	76,000	Odor, sheen
MW-5	Apr. 16 1987	2,267	921.2	3,277	4,536	17,733	
	June 23, 1987	2,239	516.8	953.9	1,587	19,555	
	July 06, 1987	1,335	313.7	799.2	923.9	5,631	
	Aug. 06, 1987	1,890	881.2	576.8	93.4	6,450	
	Nov. 04, 1987	1,300	500	270	640	4,600	-
	Feb. 02, 1988	3,100	1,500	550	1,400	24,000	
	May 02, 1988	4,400	490	1,200	1,500	17,000	
	Nov. 21, 1988	5,600	590	870	2,200	19,000	
	Feb. 14, 1989	4,300	810	410	1,300	13,000	Odor
	May 02, 1989	2,900	1,500	690	3,200	24,000	Odor, slight sheen
	Aug. 10, 1989	6,700	2,300	860	4,700	36,000	Odor, slight sheen
	Nov. 08, 1989	5,300	860	460	600	30,000	Odor
	Feb. 20, 1990	1,700	220	120	370	3,400	
···· -	May 18, 1990	18,000	2,000	1,500	5,600	24,000	
	Sep. 15, 1990	2,600	2,200	1,000	4,900	42,000	Odor, sheen
	Nov. 26, 1990	1,900	280	260	800	8,500	Odor, sheen

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 5 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (μg/L)	TPH-G (µg/L)	Comments
	Feb. 07, 1991	1,500	1,200	610	2,700	24,000	Odor
	May 14, 1991	3,800	4,400	1,400	6,400	120,000	Odor, sheen
	Aug. 16, 1991	4,200	1,900	760	2,900	29,000	Moderate odor, sheen
	Dec. 24, 1991	3,900	1,500	880	3,200	63,000	Odor, sheen
	Mar. 30, 1992	2,600	980	390	1,100	29,000	Odor, sheen
MW-6	Dec. 24, 1991	ОИ	ND	ND	ND	79	
	Mar. 30, 1992	2.1	1.1	ND	0.6	73	
MW-7	Dec. 24, 1991	ND	ND	ND	ND	ND	
	Mar. 30, 1992	ND	ND	DN	ND	ND	
8-WM	Dec. 24, 1991	1,700	2,400	1,200	6,100	81,000	Odor, sheen
	Mar. 30, 1992	1,700	880	970	1,900	3,000	Odor, sheen

Notes:

- 1) TPH-G = Total Petroleum Hydrocarbons as gasoline
- 2) Odor refers to petroleum hydrocarbon odor
- 3) All results are presented in parts per billion
- 4) Groundwater Technology, Inc., collected samples prior to February 1989
- 5) Du Pont Environmental Services collected samples from February 1989 through February
- 6) Environmental Geotechnical Consultants, Inc. collected samples beginning in May 1991
- 7) ND = Non Detect
- 8) See analytical results for detection limits (Appendix B)





Sheila Richgels Aegis Environmental Consultants, Inc. 1050 Helody Lane, Suite 160 Roseville, CA 95678

DECEIVED 1 MAR 3 1 1994

Subject: Analytical Results for 8 Water Samples

Identified as: Project # 94-720-01 (Beacon 7207

Received: 03/22/94

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on March 30, 1994 and describes procedures used to analyse 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 8952 8952-l

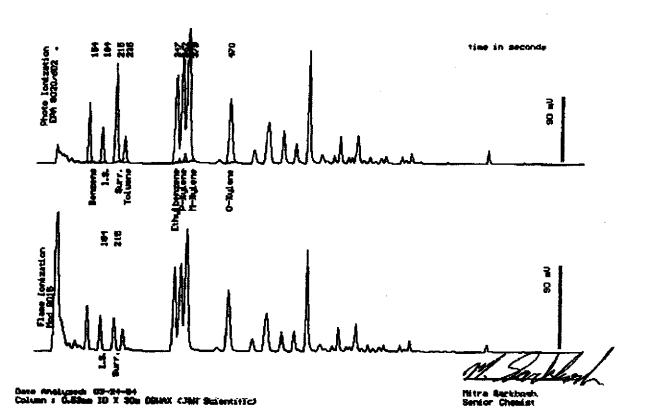
Sample: MW-1

From : Project # 94-720-01 (Beacon 720)

Sampled: 03/18/94 Dilution: 1:10

QC Batch : 4074d

Parameter	(MRL) =/L	Heasured Value wg/t			
Benzene	(5.0)	320			
Toluene	(5.0)	160			
Ethylbenzene	(5.0)	830			
Total Xylenes	(5.0)	2900			
TPH as Gasoline	(500)	9500			
Surrogate Recovery	7	96 %			





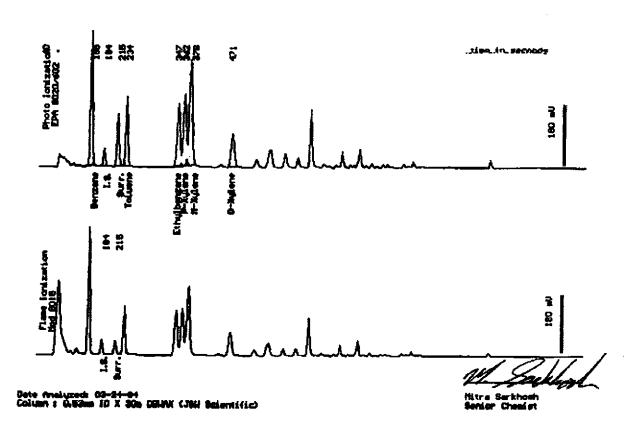
Sample: MM-2

Prom : Project # 94-720-01 (Beacon 720)
Sampled : 03/18/94
Dilution : 1:10 QC Batch :

QC Batch : 4074d

Parameter	(MRL) w ₁ /z	Measured Value +9/L

Benzene	(5.0)	1600
Toluene	(5.0)	790
Ethylbensene	(5.0)	1100
Total Xylenes	(5.0)	3700
TPH as Gasoline	(500)	14000
Surrogate Recovery	,	97 %



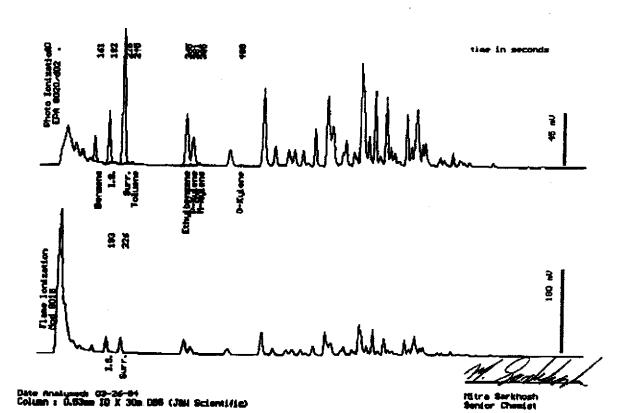


Sample: NW-3

Prom : Project # 94-720-01 (Beacon 720)
Sampled : 03/12/94
Dilution : 1:3 QC Batch :

QC Batch : 4074f

Parameter	(MRL) 49/L	Measured Value 19/1				
Benzene	(1.3)	22				
Toluene	(1.3)	1.3				
Ethylbenzene	(1.3)	78				
Total Xylenes	(1.3)	41				
TPH as Gasoline	(130)	3100				
Surrogate Recovery	,	98 %				





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Sample Log 8952 8953-4

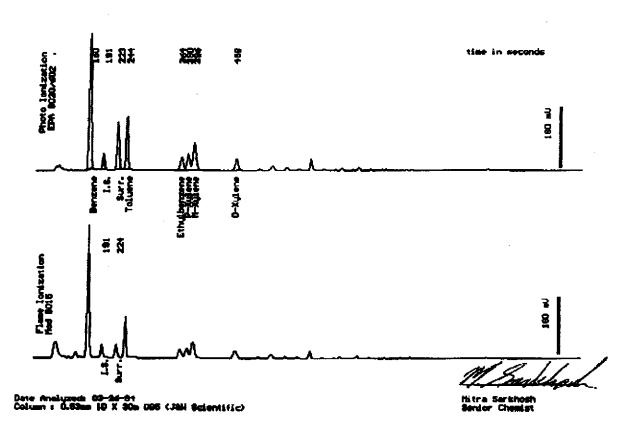
Sample: 167-4

From : Project # 94-720-01 (Beacon 720)

Sampled: 03/18/94 Dilution: 1:100

QC Batch : 4074f

Parameter	(NRL) ==/L	Measured Value wg/L					
Benzene	(50)	17000					
Toluene	(50)	6300					
Ethylbenzene	(50)	2500					
Total Xylenes	(50)	10000					
TPH as Gasoline	(5000)	58000					
Surrogate Recovery	•	99 %					





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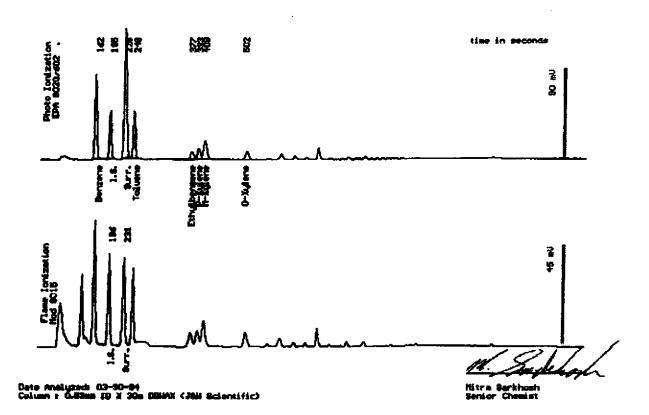
Sample Log 8952 4952-5

Sample: MM-5

From : Project # 94-720-01 (Beacon 720)

Sampled: 03/18/94 Dilution: 1:250 QC Batch : 4075d

Parameter	(MRL) ==/L	Measured Value wg/L
Benzene	(130)	8200
Toluene	(130)	5000
Ethylbenzene	(130)	1400
Total Xylenes	(130)	6100
TPH as Gasoline	(13000)	47000
Surrogate Recovery	,	97 💲



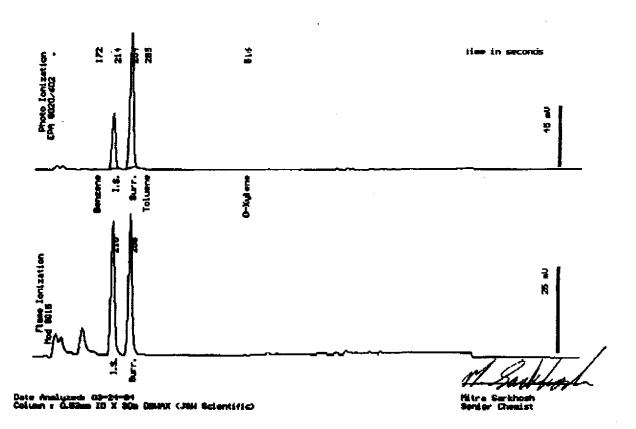


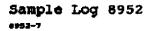
Sample: MW-6

From : Project # 94-720-01 (Beacon 720)
Sampled : 03/18/94
Dilution : 1:1 QC Batch :

QC Batch : 2064a

Parameter	(MRL) wy/L	Measured Value wg/L				
		,				
Benzene	(.50)	<.50				
Toluene	(.50)	<.50				
Ethylbensene	(.50)	<.50				
Total Xylenes	(.50)	<.50				
TPH as Gasoline	(50)	<50				
Surrogate Recovery	7	101 %				







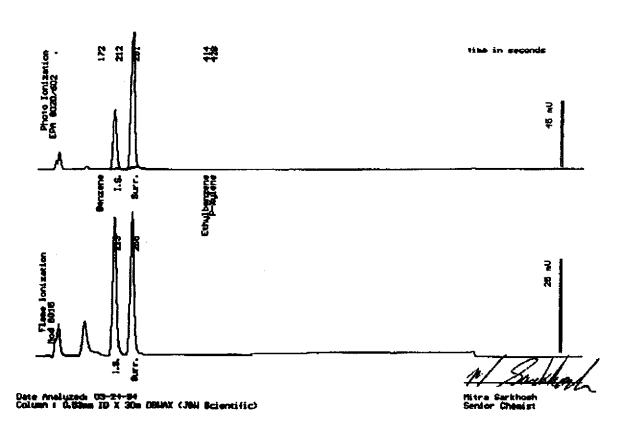
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Sample: MM-7

From : Project # 94-720-01 (Beacon 720)

Sampled: 03/18/94 Dilution: 1:1 QC Batch : 2064a

Parameter	(MRL) wg/L	Measured Value 🛶/ఽ
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50
Surrogate Recovery	•	101 %





Sample Log 8952

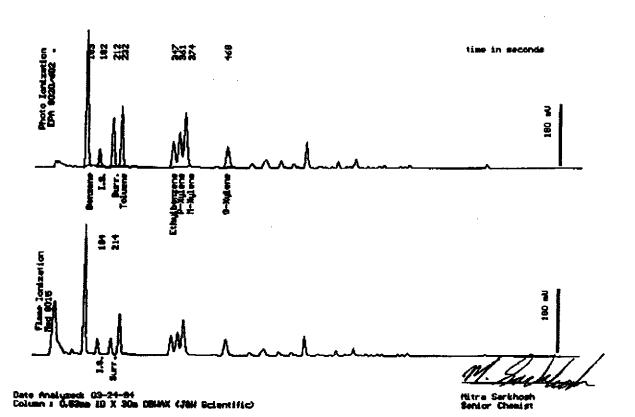
Sample: MW-8

From : Project # 94-720-01 (Beacon 720)

Sampled: 03/18/94

Dilution: 1:10 QC Batch: 4074d

Parameter	(MRL) wg/L	Measured Value wg/L
Behvene	(5.0)	1600
Toluene	(5.0)	680
Bthylbenzene	(5.0)	470
Total Xylenes	(5.0)	1900
TPH as Gasoline	(500)	8600
Surrogate Recovery	<i>t</i>	96 \$





Ultramar Inc.CHAIN OF CUSTODY REPORT

Beacon Station No.	Sampler (Print	Name)		<u> </u>			
<u> </u>	_	•		ANA	YSES	Date 3-シ)-94	Form No.
Project No.	Sampler (Signa	Hansen				<u> </u>	<u> </u>
	Sampler (Signa	iture)					
94-720-01	2011	Nansa				26	
Project Location 1088 Marine Blud.	Athliation					§ 5 da	y TAT
San Llandro, CA	Doub	٥		Self		of Containers	7
Sample No./Identification	Date	Time	Lab No.	BTEX TPH (gasoline) TPH (diesel)		രി	ARKS
MW-1	3-18-94	2:58		XN	1 1 7	3	Anno
MW-a	348-94	3:20		1		1	
MW-3	3-18-94	1:50					
MW-4	3-18-94	4:30					
MW-5	3-18-94	4:02				R	ECEIVED
Mw-6	318-94	/330				17	by 11/43/2/
Mw-7	3-18-94	12:42					date /
MW-8	3.18.94	2:15		VN		·	
elinquished by: (Signature/Affiliation)	l Date I	Time Receiv	ed by: (Signa):	re/Athitation)	-1 11		Date Time
Daulos Envi Hal Ha	3/2/1/	7:45 /16	in for	•			122/9 / 07:45
elinquished by: (Signature/Affiliation)	Date		ed by: (Signati	pre/Affiliation)			Date Time
elinguished by; (Signature/Affiliation)	Date,	Time Receiv	ed by: (Signatu	ro/Affiction)			
this form	1zgra	-1114	(hear)	WES			Date Time
eport To;		Bill to:	ULTRAMA	RINC.			1/22/9N //
Fax - Sheila Rich (916) 782-127	igels		525 West 1 Hanford, C.	Third Street A 93230	ــــ		
(916) 782-127	<u> </u>		Attention:_	<u>ier</u>	th Lo	*	
WHITE: Return to Client with Report	YELLOW: Labor	atory Copy	PINK: Origi	nator Copy	-		32-1003-1/00

DOULOS ENVIRONMENTAL COMPANY GROUNDWATER/LIQUID LEVEL DATA (measurements in feet)

D:	EC:	E	₩ <u>₽</u>	
	MAR	9 Q	1001	

Project Address:

Date: 3-16-94 MAR 2 9 1994 W

1088 marina Blod, Lan Seandro (Project No.: 94-720-0)

Recorded by:

Well No	Time	Well Elev. TOC	Depth to Gr. Water	Measured Total Depth	Gr. Water Elevation	Depth to Product	Product Thickness	Comments
MW-1	117		13,64	17,67		N.A		
MW-2	307		13.45	25,49				
MW-3	133		13.04	24.57				
MW-4	प्र13		13.68	17.24				·
MW-5	330		/3.53	28.70				
MW-6	102		12.16	15.16				·
Mw-7	1229		12.36	25,13				
WM-8	156		14.61	29.87				
· · · · · · · · · · · · · · · · · · ·								

Notes:

c	:lient:_	alt	rano		Sampling N	Date: 3	-18-94	
	Site:_	Beno	720		Projec	ct No.:	94-720	-01
	_	1084 m	oring B	evd we	ell Design	nation:	MW-1	
		1084 m Lan Se	enodo	ea				
Is the Is top	re stan of cas	raffic conding water ing cut le ealed and l casing ree: 8" UV 12" DWP_tion of we	in well bevel?	ox?	NO		cime: pove TOC E If no, see If no, see 8" BK er /2 Ma Fair	remarks
Purgin	g Equip	ment:	2" dispo 2" PVC b 4" PVC b	sable bai ailer ailer	ler _	Sub Ded Cen	mersible plicated ba	pump iler
		Diameter:						
Initia Time:_ Depth Depth	l Measur 117 of well to water	ltiplier: rement : 27.67 r: 13.64	Rec Time: 2.5 Depth to	harge Mea	surement 3.72		61 gal/: ed purge: al purge:	
·	Time	Temp.	E.C.	1	<u> </u>	dity	Volume	7
	2/16	58.9		 	 	<u> </u>	1	1
	247	64,2	1019	7.81			2	-
	249	B4.1	952	7.75			3	1
	250	63,4	913	7.72	~	***************************************	4]
Sa	ample ap	pearance:	loar		Lock:	del	ahin	
2" Lo 4" Lo	ocking (aced: (Ch Cap: Cap:	_ Loc	nat apply) k #3753: Dolphin:		7/32	of replace Allenhead: 9/16 Bolt: ead (DWP):	
Remai	rks:							
Signati	ıro.	9419	lens.					

Client: Utranon •

C	lient:_	Ultran	m &	s	ampling Date:	3-18-94	
	Site:_	Reacon	120			_	
					· · · · · · · · · · · · · · · · · · ·		
Is the Is top Is wel Height Well c 12" BK	Sampling Date: 3-16-94 Site: 2000 12 Project No.: 94-720-0 DEKTY Well Designation: MW-2 Law COM Well To Com Com						
			2" PVC b 4" PVC b	ailer ailer	De	edicated bailer entrifugal pump	
							_
							
<u>Initia</u> Time:_ Depth	<u>l Measu</u> <u>}∂/</u> of well	<u> 15.41</u>	Rec	harge Mea:	surement		
Start	purge:_	3 12	Sam	pling time	e: <u>320</u>		-
	Time	Temp.	E.C.	рН	Turbidity	Volume	
	314	66.3	1051	6.94			
	3/5	66.4	1102	6.82		2	
	3/5	66.8	1137	6.79		3	
	3/6	66,9	1145	6.74)	4	
Sa	ample ap	opearance:	dear		Lock: dol	shin	
2" Lo	ocking (ocking (Cap: Cap:	_ Locl	c # 3753:	7/32	Allenhead: 9/16 Bolt:	_
Remar	Note Condition of replaced: Lock: Sample appearance: Sample appearance: Lock: Sample appearance: Sample appearance: Lock: Sample appearance: Sample						
ignatu	ıre:	Wal D	larger				-

•	Client:_	ultram	<u>~</u>	s	ampling Date:	3-18-94	
	Site:_	Deaca 12	20			.: 14-720-01	
		088 man	eina blad	We	ll Designatio	n: <u> </u>	
		In Fear	ha Ca				
Is the Is top Is well Height Well of 12" BR	ere stand of cas il cap so t of well cover ty	ding water ing cut le ealed and l casing r pe: 8" UV 12" DWP	locked? iser (in i '12" CN	nches): "UV3	NO YES NO YES NO YES 3 12" EMCO_ 6" CNI	If no, see re	ow TOO emarks emarks
-	ng Equip		2" dispo 2" PVC b 4" PVC b	ailer ailer	<u> </u>	Submersible pur Dedicated baild Centrifugal pur	er
S	Sampled v	with: Dis	posal bail	er: /	Teflon bai	ler:	
	Well I	Diameter:	2"	4"	6"	8"	
Initia Time:_ Depth Depth	l Measur //3 of well: to water		Rec Time: ! Depth to	harge Mea:	surement Calcu 4.07 Ac	2.61 gal/ft. lated purge: 7.6 ctual purge: 2	
	Time	Temp.	E.C.	рН	Turbidity	Volume	
	139	67.4	1010	8.14		1	
	140	66.2	492	8-42	~	2	
	141	66,3	997	8,59		. 3	
	142	66.3	987	8.69)	4	
s	ample ap	pearance:	_ Oan		Lock: d	olphin	-
2" L 4" L	ocking C ocking C	aced: (Chap:	neck all th Lock-I	nat apply) k #3753: Dolphin:	7/3	ion of replaced 2 Allenhead: 9/16 Bolt: enhead (DWP):	
Rema						· •	
Signat	ure:	glafg	Lanson				

•	Client: Ultrain				Sampling Date: 3-18-94					
	Site:	Beacon 72	.0			: 94-720-0)				
		1088 ma	una flor	1	Well Designation	: MW-4				
	-	In Se	andra C	<u>u</u>	Well Designation					
Is th Is to Is we Heigh Well 12" B	ere star p of cas ll cap s t of wel cover ty	traffic conding watersing cut less aled and lacasing cype: 8" U 12" DWPtion of we	r in well evel? locked? riser (in V112" C	inches): 2" UV	NO YES NO YES NO YES	- 8" BK	TOO Irks Irks			
_	ng Equip		2" dispe2" PVC 1		ilerSiCe Teflon baile	abmersible pump edicated bailer entrifugal pump	,			
		Diameter:								
Depth Depth	to wate	•			/ <u>4.}9</u> Act ne:_430	ted purge: 8,7 cual purge: 2,7	_			
	Time	Temp.	E.C.	pН	Turbidity	Volume				
	419	68.7	1520	6,82						
	420	65.2	1417	6.73		2				
	44	64.7	1381	6.74		3				
	422	64,2	1359	6,71		4				
S	ample ar	pearance:	clem		Lock: dol	ahin				
2" Lo 4" Lo	ocking Cocking Cocking C	aced: (Ch Cap: <u>X</u> Cap:	Loci	at apply k #3753:_ Dolphin:_	X 7/32	n of replaced it Allenhead: 9/16 Bolt: nead (DWP):	_			
Signatu	ıre:	9 dal pl	ánso,				_			

	tup of traffic control devices ere standing water in well box p of casing cut level? ll cap sealed and locked? t of well casing riser (in incover type: 8" UV 12" K 12" DWP 12" CNI_ al condition of wellhead assem ng Equipment:2" disposa2" PVC bai				Sampling Date	e: <u>3-/6</u> -	94	
5	Site:_	Beaco	720		Project 1	No.: 90	-720-0	2/
		1088 m	in blood					
		ban bac	nte ca					_
Is there Is top of Is well Height of Well cov	o of to stand of cas cap soft well were types	raffic con ding water ing cut le ealed and l casing r pe: 8" UV 12" DWP	trol device in well level? locked? iser (in the image)	ces requir box? inches): 2" UV	NO YES 3 12" EMCO 6" CNI	Other	8" BK	remarks
			2" PVC 1 4" PVC 1	oailer oailer	\rightarrow	Dedica Centri	ated bail ifugal pu	ler
	Well I	Diameter:	2"-4	4*	6"	811		
Initial Time: Depth of Depth to	Site: Acard 720 Project No.: 94-720-01 108k Mark 1441 Well Designation: MW-5							
	Time	Temp.	T T	T		y v	olume	
3	140	64.1	1542	5,97			,	
3	45	_		1	-	_	2	
	50	_				3	3	
	355			6.64		1	4	
Sam	ple ap	pearance:			Lock: 🙍	ded	'n	
2" Loc 4" Loc 6" Loc	king C king C king C	Cap: X	Loc	k #3753:_	7	/32 All 9/1	enhead:_ 6 Bolt:	 -
Remark Signatur	-	91.10	Venaer					

C	Client: Wharan				Sampling Date: 3-18-94						
•	Site:_	Beacon 720	5		Project No.	: 94-720-01					
		1088 ma	ring Ald	Ld · We	ell Designation						
	_	1088 ma	100 00								
		san oce	WA CO	<u> </u>							
Is the Is top Is well theight Well of 12" BK	ere stand of cas l cap s of wel cover ty	raffic conding water ing cut less aled and lessing researched to the condition of well and the condition of well and the condition of well and the condition of	in well level? locked? locked? locked: 12" C	inches): 2" UV	NO YES NO YES NO YES 12" EMCO	time: hours Above TOC Below TO If no, see remark If no, see remark 200 *ther d) Fair Poor					
-	g Equip		4" PVC h	oailer oailer	D c	ubmersible pump edicated bailer entrifugal pump					
s		10.0.0		·	Teflon bail	er:					
	Well	Diameter:	2" <u>\</u>	4"	6 " 8	H					
Time:_ Depth Depth	to wate	rement : <u> 1 6</u> r: <u> 15 6</u> 	Time:	charge Mea	2.4) Calcul	ated purge: 1.7tual purge: 1.9					
	Time	Temp.	E.C.	рН	Turbidity	Volume					
	108	67.9	1220	8,79		/					
	188	67.6	1020	8.60		2					
	109	67.6	1010	8,53		3					
	115	613	1020	f.53	_>	4					
	<u> </u>										
Sa	ample ap	ppearance:	clean		Lock: _dat	phi					
2" Lo 4" Lo 6" Lo	ocking (ocking (ocking (laced: (Ch Cap: Cap:	Loc	hat apply) k #3753:_ Dolphin:_	7/32 	on of replaced ite 2 Allenhead: 9/16 Bolt: nhead (DWP):					
Remai		glal H	a an								

(Client:_	Eltrano	<u></u>		Sampling Date: 3-18-94						
	Site:	Bearn 721	<u> </u>		Project No.	: 14-720-01					
	·	088 may	na Alva.	W	ell Designation	:_ww-7					
	d	Lan Sear	dro, ca								
Is top Is well Height	of cas ll cap s of wel	sing cut le sealed and l casing r	evel? locked? iser (in i	inches):	red? NO TES NO VES NO VES 12" EMCO 36" CNI Excellent Good	If no, see rem	arks arks				
-	ng Equip		2" dispo 2" PVC h 4" PVC h		•	ubmersible pump edicated bailer entrifugal pump	•				
S				··	Teflon baile						
	Well	Diameter:	2"	4"	6" 8'	····					
Initia Time: Depth	l Measu リンユの of well	ltiplier: rement : 25.13 r: /136	<u>Rec</u>	harge Mea	1.47 asurement Calcula 9.6 L Act						
Start	purge:_	1236	Sam	pling tim	ne:1242						
	Time	Temp.	E.C.	рН	Turbidity	Volume					
	1237	69,2	1240	1.84		1					
	218	68.1	1210	2-72		2					
	1239	67.9	1200	7.65		7					
	1248	67.6	1170	7,60)	4					
S	ample a	ppearance:	deen		Lock: dale	lin					
2" L	ocking (ocking (Laced: (Ch Cap: Cap:	Lock-	k #3753:_ Dolphin:_	7/32 Pinned Allen	on of replaced in Allenhead: 9/16 Bolt: head (DWP):	 .				
Remai	rks: _	in ile n	edder a	1 dos	treet						
Sienati		2/-10	2/4001								

•		Ultram		\$	Sampling Date: 3-18-94						
	Site:_	Beacer 7	20		Project No	.: 94 7200	1				
		08 cman	ina slove	/We	ell Designation	n: MW-8	-				
		han Sea	nha c	<u>-</u>	,						
Is the Is top Is well the Is Well of 12" BK Genera	re stand of cas	ding water ing cut le ealed and l casing r pe: 8" UV 12" DWP X tion of we	in well b vel?	nches): "UV3 embly: E	NO (ES) 12" EMCO_ 6" CNI xcellent	Above TOC Be	low TOO emarks emarks				
J			2" PVC b 4" PVC b	ailer		edicated bail	er				
s	ampled v				Teflon bail	Centrifugal pu .er:	mp				
					6"8	·					
Initia Time: Depth Depth	l Measur /ςδ of well: to water	<u>rement</u>	Time: 2	harge Mea	SOU Calcul						
·	Time	Temp.	<u> </u>	рН	Turbidity	Volume					
	2.014	67.2				1					
	205	64,1	1052	684		2					
į	2-07	64.0	1050			3					
	124	63,9	1647	6.75)	4					
Sa	ample ap	pearance:			Lock: de	lohin					
Equipme 2" Lo 4" Lo	ent repl	aced: (Ch ap:	Lock	at apply) #3753: olphin:	Note conditi	on of replaced 2 Allenhead: 9/16 Bolt: nhead (DWP):					
Remar	ks:										
Signatu	re:	Hal	Hansa	· ·							



Ultramar inc.CHAIN OF CUSTODY REPORT



Beacon Station No.	Sampler (Print	Name)							Date	Form N	30
4 7 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hall	Hansen			ANA	YSE	S	. <u>.</u> 		<u>/ ol </u>	ASSESSED OF
Project No.	Sampler (Signa	ature)		9 3	()				TO THE STATE OF TH		
94 120 01	Alas I	Navi						Jers			
Project Location	Affiliation			olin	(jeg			ntair	5 d	ny TA	Τ
Just Marine Island	Dul	ာ မွန်မြင့်	·) (gas	(die:			of Containers			and an Kali
Sample No./Identification	Date	Time	Lab No.	BTEX TPH (gasoline)	TPH (diesel)		<u>, </u>	No.	A	MARKS	(PA)
MW-I	3.18 94	2 58		XV				3			
MW 3	3 18 94	3:20		1 (
Mw 3	3-18-44	1.50						\coprod	6		
MW-4	3-18-94	4.30		Ш							4.4
Mω·S	3-18-94	402						\coprod			
11W-6	3-15-94	7 30			10000000000000000000000000000000000000						* 6 + 34
MW 7	3-18-44	1242						\coprod			
mo 8	3:18 1/4	a'15		11						· · · · · · · · · · · · · · · · · · ·	
Relinquished by: (Signature/Affiliation)	Date	Time Receiv	ed by: (Signature	e/Affili	ation			- · ·		Date	Time
soulor En dal Han	3/2/9/	01:45 Ol	in Hoo	Z/-	. S	in the	4.5			122/9	7.45
Relinquished by: (Signature/Affiliation)	Date	Time Receiv	ed by: (Signatur	e/Affili	ation		• • •			Date	Time
				· · · .	9						5 5 7
Relinquished by: (Signature/Affiliation)	Date	Time Receiv	ed by: (Signature	e/Affili	ation				,	Date	Time
			•			.:			· ·		
Report To:		Bill to:	ULTRAMAR 525 West Th		reet						
WHITE: Return to Client with Report	gels	:	525 West The Hanford, CA Attention:	9323	Q _T	w 2 -		F.	J		
(9iL) 732 137	ر 7	· .	Attention:				/ 	· ()	<i>-</i>		
WHITE: Return to Client with Report	YELLOW: Labo	oratory Copy	PINK: Origin	ator C	ору					12·	e003 1/80