FUGRO WEST, INC.

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

December 1, 1994

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

Subject: **Third Quarter 1994 Groundwater Monitoring Report**
Beacon Station #546
[redacted]ayward, California

Dear Mr. Fox:

This report documents the results of quarterly groundwater monitoring conducted on September 15, 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 April 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 southwest (Figure 2) at a gradient of <0.01 ft/ft. Groundwater levels have decreased an average of 1.08 feet compared to the last monitoring event.

GROUNDWATER SAMPLING AND ANALYSES

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

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

Analytical results from April 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-3, MW-6, and MW-8. Concentrations decreased in wells MW-1, MW-2, MW-4, MW-5, MW-7, and MW-8; and increased in well MW-9 compared to prior sampling.

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

Mr. Scott Hugenberger
San Francisco Bay Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612

Mr. Hugh Murphy
Hayward Fire Department
22300 Foothill Boulevard
Hayward, California 94541

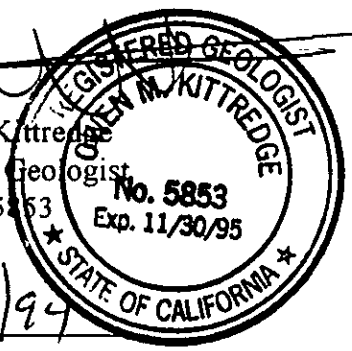
The interpretations and/or conclusions that may be contained within this report represent our professional opinions. These opinions are based on currently available information. Other than this, no warranty is implied or intended. This report has been prepared solely for the use of Ultramar Inc. Any 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, 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.

Sheila R. Richgels
Report Coordinator

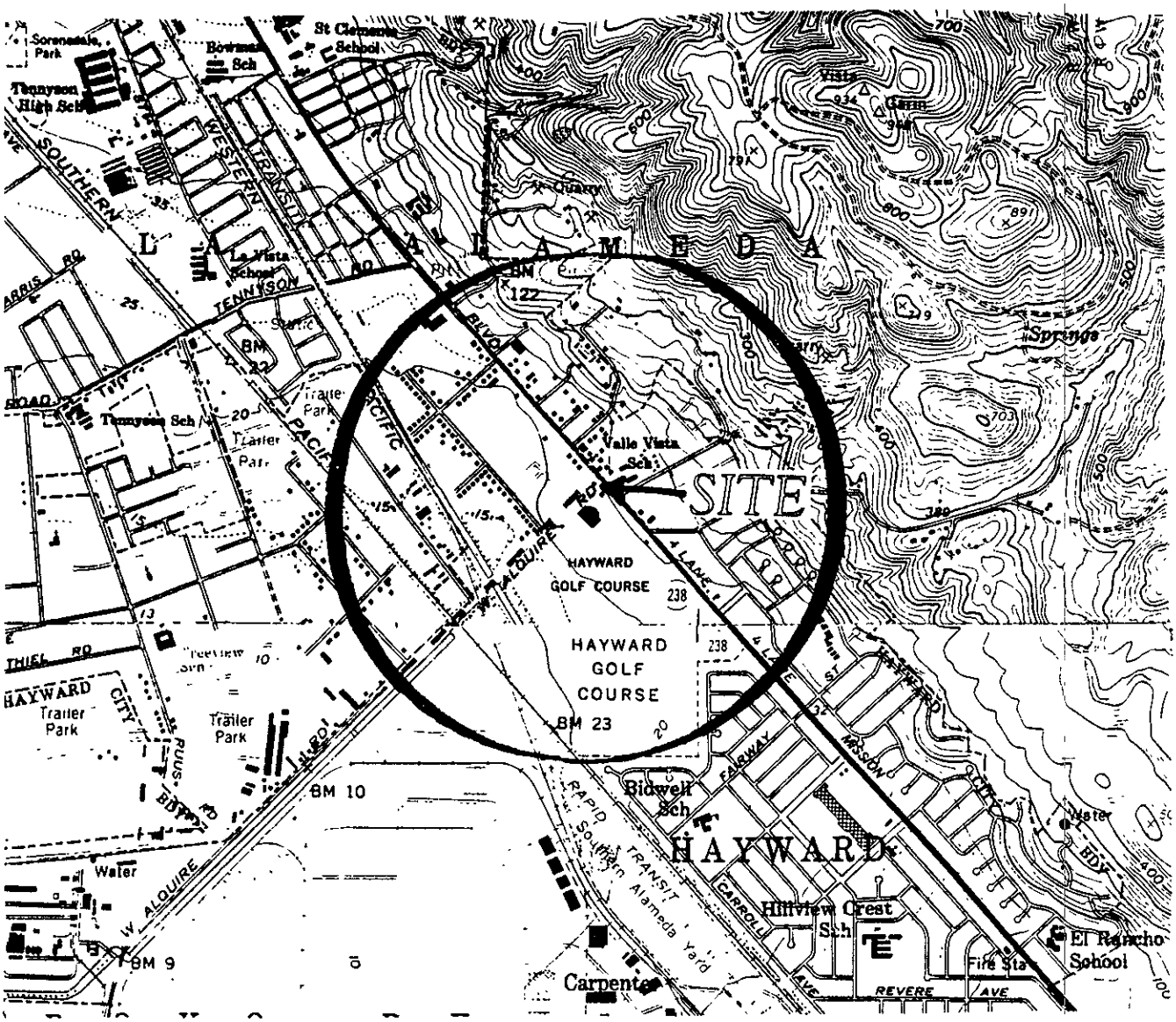


Owen M. Kittredge
Registered Geologist
CRG No. 5853

12/1/94
Date

SRR/OMK/srr

Attachments



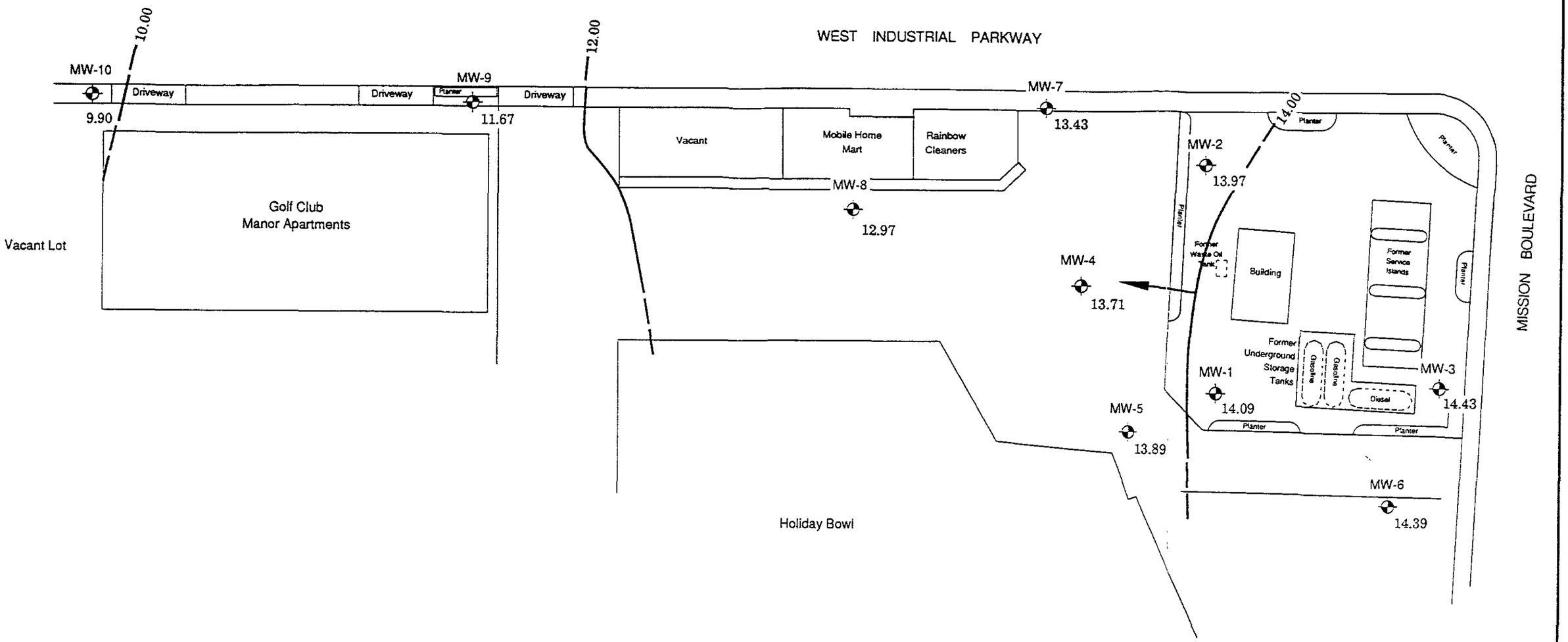
GENERAL NOTES:

BASE MAP FROM USGS
7.5 MINUTE TOPOGRAPHIC
HAYWARD & NEWARK, CA.
1959, PHOTOREVISED 1980.

WEST ALQUIRE ROAD HAS BEEN
CHANGED TO WEST INDUSTRIAL PARKWAY

0 2000 4000
Approximate Scale in Feet

FUGRO	DRAWN BY: Ed Bernard DATE: September 29, 1992 REVISED BY: Ed Bernard DATE: February 11, 1993	SITE LOCATION MAP Beacon Station # 546 29705 Mission Boulevard Hayward, CA	FIGURE 1 PROJECT NUMBER: 93-47-2067



LEGEND

14.09 Monitoring Well
Groundwater Elevation in Feet

Potentiometric Surface Contour Line
(Dashed Where Inferred)

Estimated Direction of Groundwater Flow

Hydraulic Gradient = < 0.01 ft/ft
Contour Interval = 2.0 ft

NOTES

Site Sketch After
Site Map By Ultramar
August 5, 1992

All locations Are Approximate

0 50 100
Approximate Scale in Feet

FUGRO

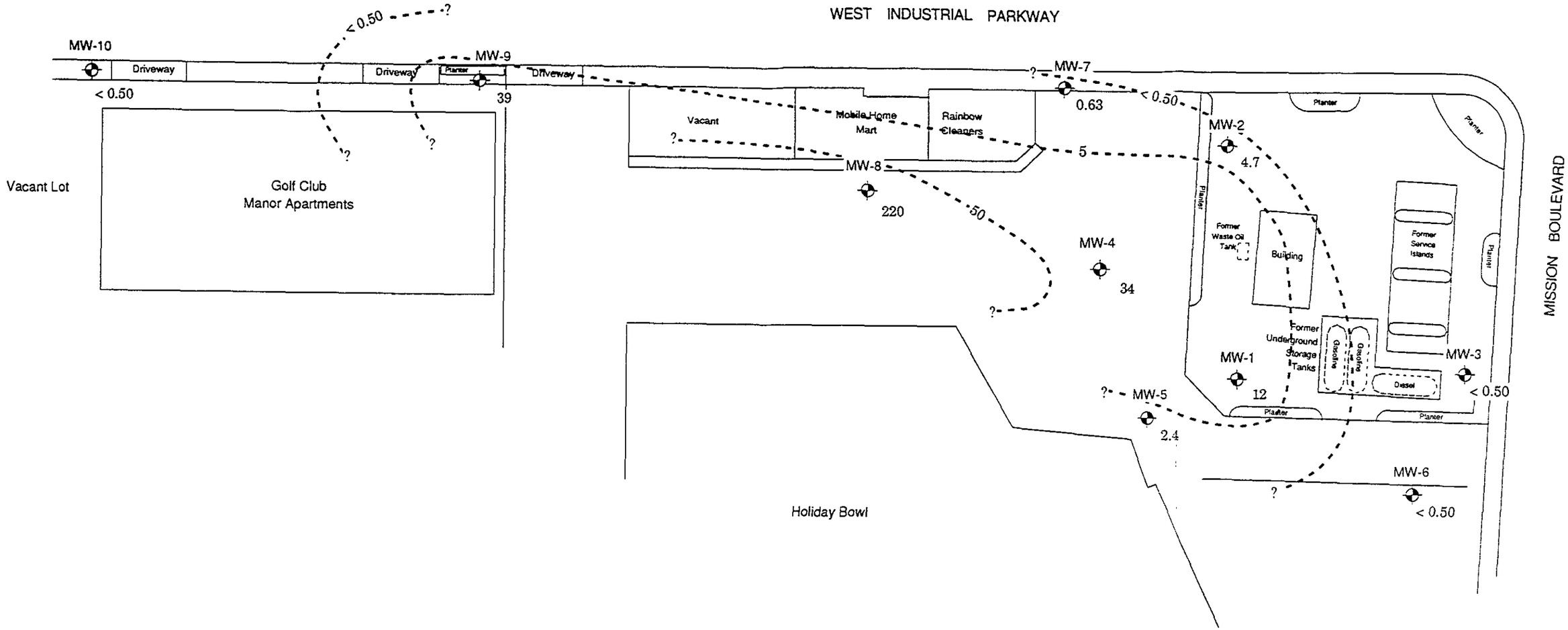
DRAWN BY	D. Hada
DATE	October 17, 1994
REVISED BY	
DATE	

POTENTIOMETRIC SURFACE MAP
September 15, 1994

Beacon Station # 546
29705 Mission Boulevard
Hayward, CA

FIGURE
2

PROJECT NUMBER
92-773



LEGEND

- 12 — Monitoring Well; Benzene Concentration (parts-per-billion)
- Inferred Iso-Concentration Limits
- < 0.50 — Below indicated Detection Limit

Contour Interval = Exponential

NOTES

Site Sketch After
Site Map By Ultramar
August 5, 1992

All locations Are Approximate

0 50 100
Approximate Scale in Feet

FUGRO

DRAWN BY	D Hada
DATE	October 17 1994
REVISED BY	
DATE	

DISTRIBUTION MAP OF BENZENE IN GROUNDWATER September 15, 1994

Beacon Station # 546
29705 Mission Boulevard
Hayward, CA

FIGURE 3

PROJECT NUMBER 92-773

TABLE 1
WATER LEVEL DATA
BEACON STATION #546
29705 MISSION BOULEVARD, HAYWARD, 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	04/15/92	37.46	22.10	15.36	---	
	07/07/92		23.40	14.06	---	
	09/23/92		24.61	12.85	---	
	11/12/92		24.87	12.59	---	Heavy sheen
	02/03/93		21.23	16.23	38.08	
	05/10/93		19.59	17.87	37.95	
	08/18/93		20.22	17.24	37.95	
	11/18/93		22.72	14.74	37.93	
	03/10/94		21.73	15.73	37.95	
	06/13/94		22.15	15.31	---	
	06/15/94		22.17	15.29	37.99	
	09/15/94		23.37	14.09	38.00	
MW-2	04/15/93	35.95	20.88	15.07	---	
	07/07/92		21.95	14.00	---	
	09/23/92		23.15	12.80	---	
	11/12/92		23.43	12.52	---	
	02/03/93		19.93	16.02	38.90	
	05/10/93		18.57	17.38	38.98	
	08/18/93		19.96	15.99	39.00	
	11/18/93		21.38	14.57	39.00	
	03/10/94		20.47	15.48	39.07	
	06/13/94		20.87	15.08	---	
	06/15/94		20.91	15.04	39.16	
	09/15/94		21.98	13.97	39.17	
MW-3	04/15/92	40.28	24.59	15.69	---	
	07/07/92		25.90	14.38	---	
	09/23/92		27.09	13.19	---	
	11/12/92		27.43	12.85	33.94	
	02/03/93		23.67	16.61	37.86	
	05/10/93		21.90	18.38	37.82	
	08/18/93		23.56	16.72	37.80	
	11/18/93		24.98	15.30	37.81	
	03/10/94		24.21	16.07	37.86	
	06/13/94		24.63	15.65	---	
	06/15/94		24.64	15.64	38.00	
	09/15/94		25.85	14.43	38.00	
MW-4	04/15/92	34.94	---	---	---	
	**					
	11/18/93		20.60	14.34	39.02	
	03/10/94		19.63	15.31	39.11	
	06/13/94		20.06	14.88	---	
	06/15/94		20.10	14.84	39.12	
	09/15/94		21.23	13.71	39.14	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
--- = Not measured/not observed.
** = No measurements collected since prior to April 1992
Well Depth = Measurement from top of casing to bottom of well.

TABLE 1
WATER LEVEL DATA
BEACON STATION #546
29705 MISSION BOULEVARD, HAYWARD, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Groundwater[1]	Groundwater Elevation[2]	Well Depth	Comments
MW-5	04/15/92	36.37	---	---	---	
	**					
	11/18/93		21.80	14.57	34.52	
	03/10/94		20.82	15.55	34.71	
	06/13/94		21.25	15.12	---	
	06/15/94		21.28	15.09	34.71	
	09/15/94		22.48	13.89	34.70	
MW-6	04/15/92	37.43	---	---	---	
	**					
	11/18/93		22.35	15.08	39.17	
	03/10/94		21.33	16.10	39.22	
	06/13/94		21.75	15.68	---	
	06/15/94		21.80	15.63	39.24	
	09/15/94		23.04	14.39	39.22	
MW-7	04/15/92	30.50	16.00	14.50	---	
	07/07/92		17.10	13.40	---	
	09/23/92		18.21	12.29	---	
	11/12/92		18.37	12.13	33.94	
	02/03/93		15.20	15.30	34.02	
	05/10/93		14.01	16.49	34.05	
	08/18/93		15.51	14.99	34.01	
	11/18/93		16.58	13.92	34.01	
	03/10/94		15.68	14.82	33.94	
	06/13/94		---	---	---	
	06/15/94		16.12	14.38	33.96	
	09/15/94		17.07	13.43	33.97	
MW-8	04/15/92	28.48	14.30	14.18	---	
	07/07/92		15.60	12.88	---	
	09/23/92		16.66	11.82	---	
	11/12/92		16.86	11.62	39.20	
	02/03/93		13.49	14.99	39.19	
	05/10/93		12.51	15.97	39.21	
	08/18/93		13.97	14.51	39.25	
	11/18/93		15.00	13.48	39.25	
	03/10/94		13.98	14.50	39.27	
	06/13/94		14.44	14.04	---	
	06/15/94		14.48	14.00	39.27	
	09/15/94		15.51	12.97	39.27	
MW-9	02/03/93	21.99	8.95	13.04	23.52	
	05/10/93		8.18	13.81	23.52	
	08/18/93		9.50	12.49	23.17	
	11/18/93		9.85	12.14	23.16	
	03/10/94		9.14	12.85	23.21	
	06/13/94		9.57	12.42	---	
	06/15/94		9.60	12.39	23.23	
	09/15/94		10.32	11.67	23.23	
MW-10	06/13/94	17.41	6.61	10.80	---	
	09/15/94		7.51	9.90	21.46	

NOTES
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
--- = Not measured/not observed
** = No measurements collected since prior to April 1992
Well Depth = Measurement from top of casing to bottom of well

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94-548/September 1994

TABLE 2
ANALYTICAL RESULTS: GROUNDWATER
BEACON STATION #546
29705 MISSION BOULEVARD, HAYWARD, 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	04/15/92	8,900	710	11	150	440
	07/07/92	<50	<0.5	<0.5	<0.5	<0.5
	09/23/92	<50	<0.5	<0.5	<0.5	<0.5
	11/12/92	---	---	---	---	---
	02/03/93	950	72	<0.5	0.6	6.6
	05/10/93	1,000	210	2.9	42	67
	08/18/93	1,600	220	<5.0	110	150
	11/18/93	51	<0.5	<0.5	<0.5	<0.5
	03/10/94	310	37	<0.5	22	26
	06/15/94	420	53	<0.5	40	38
	09/15/94	78	12	<0.5	12	5.8
MW-2	04/15/92	1,200	21	4.8	56	26
	07/07/92	<50	<0.5	<0.5	<0.5	<0.5
	09/23/92	<50	<0.5	<0.5	<0.5	<0.5
	11/12/92	<50	<0.5	<0.5	1.7	0.9
	02/03/93	310	2.9	0.8	15	6.0
	05/10/93	190	17	<0.5	23	5.2
	08/18/93	820	53	<1.3	71	16
	11/18/93	89	3.0	<0.5	9.3	0.73
	03/10/94	2,000	45	<2.5	390	28
	06/15/94	1,300	54	2.0	270	15
	09/15/94	370	4.7	<0.5	80	13
MW-3	04/15/92	69	2.8	<0.5	<0.5	<0.5
	07/07/92	<50	<0.5	<0.5	<0.5	<0.5
	09/23/92	<50	<0.5	<0.5	<0.5	<0.5
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5
	02/03/93	<50	1.0	1.3	0.6	2.7
	05/10/93	53	1.6	<0.5	2.0	<1.5
	08/18/93	<50	1.0	<0.5	1.5	<0.5
	11/18/93	<50	<0.5	<0.5	<0.5	<0.5
	03/10/94	<50	<0.5	<0.5	<0.5	<0.5
	06/15/94	<50	<0.5	<0.5	<0.5	<0.5
	09/15/94	<50	<0.5	<0.5	<0.5	<0.5
MW-4	04/15/92 **	NS	NS	NS	NS	NS
	11/18/93	1,500	110	6.4	88	240
	03/10/94	4,000	460	5.1	370	450
	06/15/94	1,300	97	1.9	130	150
	09/15/94	1,100	34	1.6	70	110
MW-5	04/15/92 **	NS	NS	NS	NS	NS
	11/18/93	2,800	23	<0.5	72	6.1
	03/10/94	2,900	26	<0.5	<0.5	98
	06/15/94	2,100	14	<0.5	29	18
	09/15/94	200	2.4	<0.5	<0.5	4.9

NOTES. < = Below indicated detection limit.
NS = Not sampled.
** = No samples collected since prior to April 1992.

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TABLE 2
ANALYTICAL RESULTS: GROUNDWATER
BEACON STATION #546
29705 MISSION BOULEVARD, HAYWARD, 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	04/15/92	NS	NS	NS	NS	NS
	**					
	11/18/93	<50	<0.5	<0.5	<0.5	1.5
	03/10/94	<50	<0.5	<0.5	<0.5	<0.5
	06/15/94	<50	<0.5	<0.5	<0.5	<0.5
	09/15/94	<50	<0.5	<0.5	<0.5	<0.5
MW-7	04/15/92	1,600	21	1.2	2.0	1.2
	07/07/92	320	<0.5	<0.5	<0.5	<0.5
	09/23/92	90	<0.5	<0.5	<0.5	<0.5
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5
	02/03/93	<50	<0.5	<0.5	<0.5	<0.5
	05/10/93	1,800	190	3.2	45	<1.5
	08/18/93	1,600	53	<2.5	<2.5	37
	11/18/93	730	<0.5	<0.5	<0.5	7.4
	03/10/94	1,000	0.90	<0.5	<0.5	2.8
	06/15/94	760	3.6	<0.5	<0.5	1.8
	09/15/94	900	0.63	<0.5	<0.5	<0.5
MW-8	04/15/92	40,000	1,900	34	1,200	1,800
	07/07/92	19,000	560	14	32	630
	09/23/92	4,200	370	<5.0	<5.0	150
	11/12/92	5,100	75	<2.5	<2.5	110
	02/03/93	29,000	800	1.1	660	720
	05/10/93	8,900	540	9.9	770	550
	08/18/93	10,000	790	<25	1,100	720
	11/18/93	8,700	420	<5.0	690	290
	03/10/94	9,500	650	<2.5	930	320
	06/15/94	6,600	360	<2.5	650	190
	09/15/94	7,000	220	<2.5	470	120
MW-9	02/03/92	28,000	64	9.6	70	510
	05/10/93	5,000	180	12	88	110
	08/18/93	4,900	290	<2.5	210	180
	11/18/93	8,800	340	6.0	240	200
	03/10/94	4,100	26	<1.3	23	16
	06/15/94	4,100	17	<1.3	18	8.4
	09/15/94	5,900	39	<2.5	45	16
MW-10	06/13/94	22,000	210	330	1,200	5,400
	09/15/94	1,500	<0.5	<0.5	2.8	7.1

NOTES
< = Below indicated detection limit.
NS = Not sampled.
** = No samples collected since prior to April 1992.

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94-546/September 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 tilted 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
GROUND-WATER ELEVATION DATA

Well No.	Relative Casing Elevation	DTW	CWE	CHANGE FROM LAST QUARTER
APRIL 15, 1992				
MW-1	37.46	22.10	15.36	+ 1.67
MW-2	35.95	20.88	15.07	+ 1.53
MW-3	40.28	24.59	15.69	+ 1.70
MW-4	34.94	NA	---	---
MW-5	36.37	NA	---	---
MW-6	37.43	NA	---	---
MW-7	30.50	16.00	14.50	+ 1.60
MW-8	28.48	14.30	14.18	+ 1.57
JULY 7, 1992				
MW-1	37.46	23.40	14.06	- 1.30
MW-2	35.95	21.95	14.00	- 1.07
MW-3	40.28	25.90	14.38	- 1.31
MW-4	34.94	NA	---	---
MW-5	36.37	NA	---	---
MW-6	37.43	NA	---	---
MW-7	30.50	17.10	13.40	- 1.10
MW-8	28.48	15.60	12.88	- 1.30

Elevation of top of casing measured in feet relative to arbitrary datum (100 ft); Depth-to-water measured in feet below top of casting
DTW = Depth-to-water
CWE = Calculated water elevations
NM = Not Accessible

TABLE 2
ANALYTICAL RESULTS ON GROUND WATER SAMPLES

Well No.	Date	B	T	E	X	TPH-g
WELL MW-1	4/15/92	710	11	150	440	8900
	7/7/92	<0.5	<0.5	<0.5	<0.5	<50
WELL MW-2	4/15/92	21	<0.5	56	26	1200
	7/7/92	<0.5	<0.5	<0.5	<0.5	<50
WELL MW-3	4/15/92	1.8	< 0.5	< 0.5	< 0.5	69
	7/7/92	<0.5	<0.5	<0.5	<0.5	<50
WELL MW-4	4/15/92	NA				
	7/7/92	NA				
WELL MW-5	4/15/92	NA				
	7/7/92	NA				
WELL MW-6	4/15/92	NA				
	7/7/92	NA				
WELL MW-7	4/15/92	21	1.2	2.0	1.2	1600
	7/7/92	<0.5	<0.5	<0.5	<0.5	320
WELL MW-8	4/15/92	1900	34	1200	1800	40000
	7/7/92	560	14	32	630	19000

All results shown in parts per billion (ppb)
TPHg = Total petroleum hydrocarbons as gasoline
B,T,E,X = Benzene, Tuluene, Ethylbenzene, and Total Xylenes
< = Less than detection limit shown
NA = Not Analyzed

September 27, 1994
Sample Log 10230

Sheila Richgels
Fugro West, Inc.- Roseville
1050 Melody Lane, Suite 160
Roseville, CA 95678

Subject: Analytical Results for 10 Water Samples
Identified as: Project # 94-546-01 (Former Beacon 546)
Received: 09/16/94

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on September 27, 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 916-773-9500 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

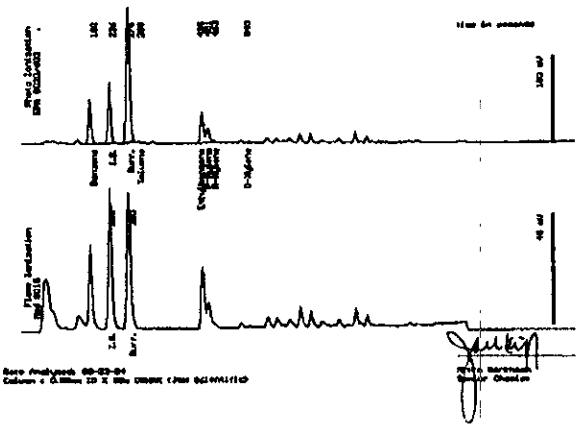
Jack Kiff
Senior Chemist

Sample Log 10230

Sample: MW-1

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 2104I
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	12
Toluene	(.50)	<.50
Ethylbenzene	(.50)	12
Total Xylenes	(.50)	3.8
TPH as Gasoline	(50)	78
Surrogate Recovery		99 %

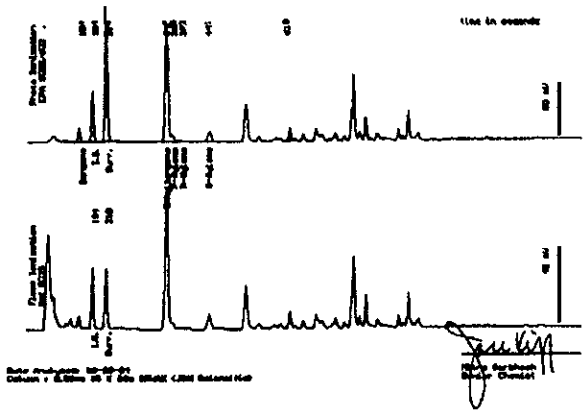


Sample Log 10230

Sample: MW-2

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 4103J
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	4.7
Toluene	(.50)	<.50
Ethylbenzene	(.50)	80
Total Xylenes	(.50)	13
TPH as Gasoline	(50)	370
Surrogate Recovery		102 %

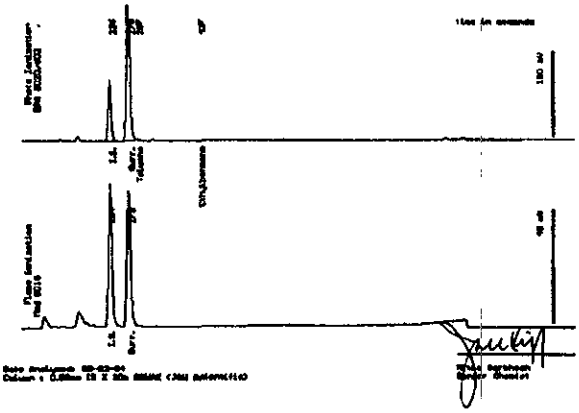


Sample Log 10230

Sample: MW-3

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 2104I
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 %



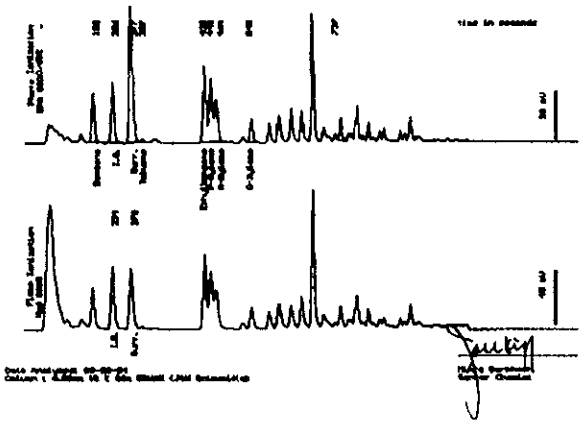
LABORATORY

Sample Log 10230

Sample: MW-4

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:3 QC Batch : 21041
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(1.1)	34
Toluene	(1.1)	1.6
Ethylbenzene	(1.1)	70
Total Xylenes	(1.1)	110
TPH as Gasoline	(130)	1100
Surrogate Recovery		99 %



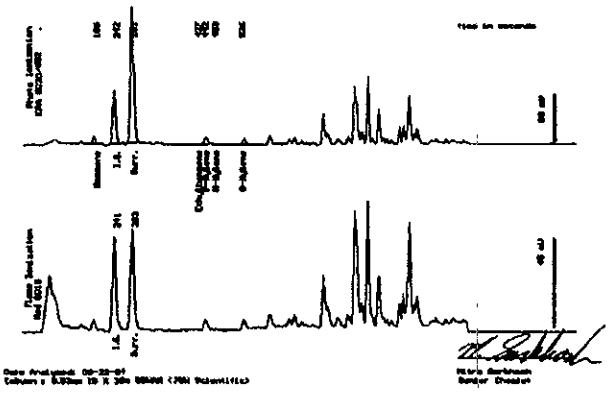
LABORATORY

Sample Log 10230

Sample: MW-5

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 21046
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	2.4
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	4.9
TPH as Gasoline	(50)	200
Surrogate Recovery		103 %



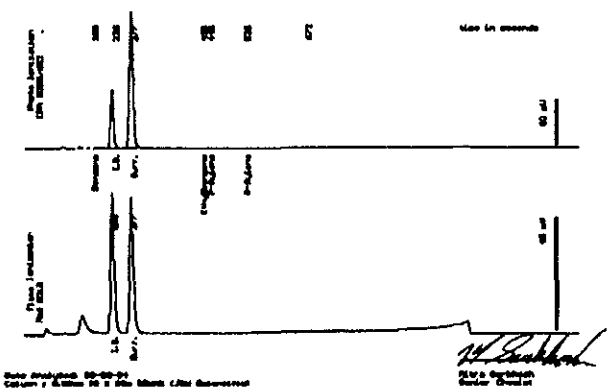
LABORATORY

Sample Log 10230

Sample: MW-6

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 21046
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 %



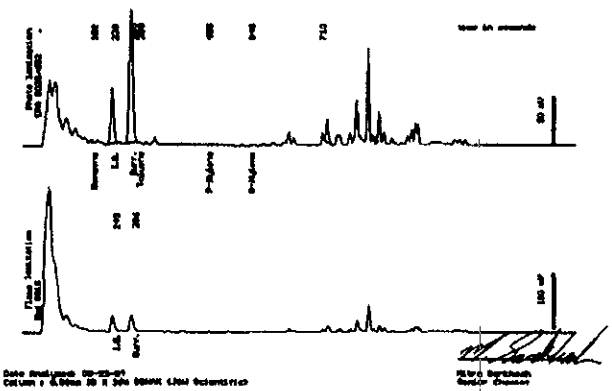
LABORATORY

Sample Log 10230

Sample: MW-7

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 21048
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	.63
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	900
Surrogate Recovery		101 %



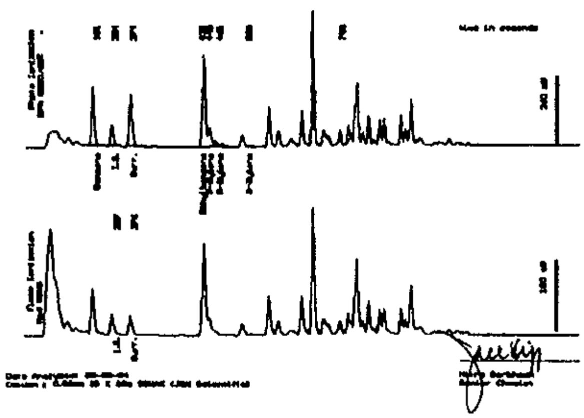
LABORATORY

Sample Log 10230

Sample: MW-8

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:5 QC Batch : 2104I
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(2.5)	220
Toluene	(2.5)	<2.5
Ethylbenzene	(2.5)	470
Total Xylenes	(2.5)	120
TPH as Gasoline	(250)	7000
Surrogate Recovery		95 %



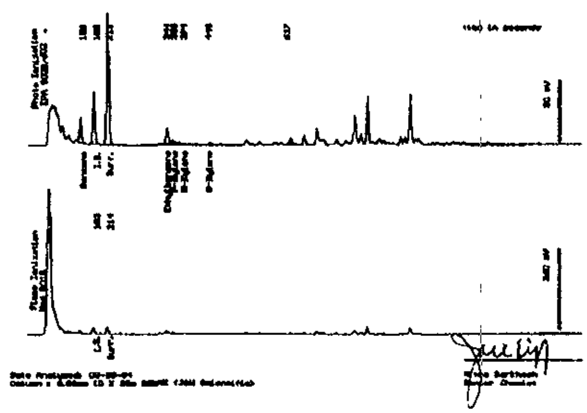
LABORATORY

Sample Log 10230

Sample: MW-9

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:5 QC Batch : 4103J
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(2.5)	39
Toluene	(2.5)	<2.5
Ethylbenzene	(2.5)	45
Total Xylenes	(2.5)	16
TPH as Gasoline	(250)	5900
Surrogate Recovery		92 %



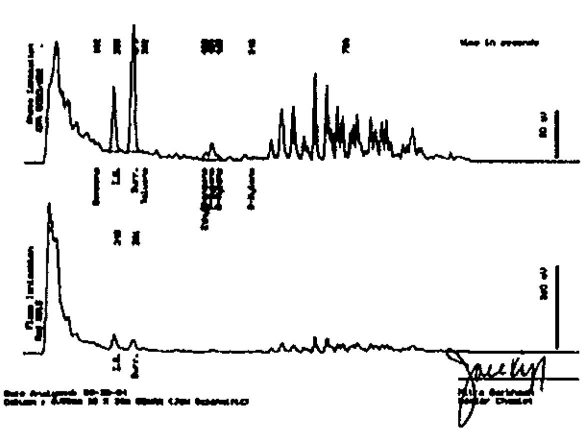
LABORATORY

Sample Log 10230

Sample: MW-10

From : Project # 94-546-01 (Former Beacon 546)
Sampled : 09/15/94
Dilution : 1:1 QC Batch : 2104J
Matrix : Water

Parameter	(MRL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	2.8
Total Xylenes	(.50)	7.1
TPH as Gasoline	(50)	1500
Surrogate Recovery		91 %



Ultramar Inc.
CHAIN OF CUSTODY REPORT
BEACON

Beacon Station No. 546 Former Beacon
Project No. 94-546-01
Project Location
Sampler (Print Name)
Sampler (Signature)
Affiliation
Date/No. Form No. 1 of 2

Sample No./Identification	Date	Time	Lab No.	BTEX / TPH (gasoline)	TPH (diesel)	No. of Containers	REMARKS
MW-1	9-15-94	11:15		X		3	Standard TAT
MW-2		12:40					
MW-3		11:35					
MW-4		3:10					
MW-5		2:45					
MW-6		1:50					
MW-7		2:35					
MW-8		3:35					

Relinquished by: (Signature/Affiliation) Date Time Received by: (Signature/Affiliation) Date Time
Relinquished by: (Signature/Affiliation) Date Time Received by: (Signature/Affiliation) Date Time
Relinquished by: (Signature/Affiliation) Date Time Received by: (Signature/Affiliation) Date Time

RECEIVED 1530
DATE
TIME
INITIAL
WEST LAB

Report To:
Bill to: ULTRAMAR INC.
525 West Third Street
Hanford, CA 93230
Attention:

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)			ANALYSES					Date	Form No.
546 Former Beacon	Hal Hansen								9-16-94	1 of 2
Project No.	Sampler (Signature)									
94-546-01	Hal Hansen								Standard TAT	
Project Location 29705 Mission Blvd Hayward Ca	Affiliation Dames Env.			BTEX	TPH (gasoline)	TPH (diesel)		No. of Containers		
Sample No./Identification	Date	Time	Lab No.						REMARKS	
MW-9	9-16-94	1120		X	X			3		
MW-10	"	1150		X	X			3		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Hal Hansen Dames Env.	9/16/94	1415		9/16/94	1425
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	9/16/94	1515			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			WEST	9/16/94	1530

Report To: Hal Hansen

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

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

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

Project Address: Former Beacon 546 29705 Mission Blvd Date: 9-15-94
Hayward, Ca. Project No.: 94-546-01
Recorded by: Hal Hansen

Well No	Time	Well Elev. TOC	Depth to Gr. Water	Measured Total Depth	Gr. Water Elevation	Depth to Product	Product Thickness	Comments
MW-1	1051		23.37	38.00				no odor no sheen
MW-2	1053		21.98	39.17				no odor no sheen
MW-3	1048		25.85	38.00				no odor no sheen
MW-4	1034		21.23	39.14				slight odor no sheen
MW-5	1055		22.48	34.70				slight odor no sheen
MW-6	1042		23.04	39.22				no odor no sheen
MW-7	1038		17.07	33.97				slight odor no sheen
MW-8	1031		15.51	39.27				slight odor no sheen
MW-9	1028		10.32	23.23				slight odor no sheen
MW-10	1022		7.51	21.46				slight odor no sheen

Notes:

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-1

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 1/2
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent Good (Fair) Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1051
Depth of well: 3800
Depth to water: 23.37

Recharge Measurement
Time: 1213
Depth to water: 23.40

Calculated purge: 38 gal
Actual purge: 38 "

Start purge: 1150 Sampling time: 1215

Time	Temp.	E.C.	pH	Turbidity	Volume
1154	78.8	1788	7.60	—	1
1158	72.8	1540	8.67	—	2
1203	72.7	1278	7.57	—	3
1208	72.7	1235	7.61	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Hansen

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-2

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 1/2
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1051
Depth of well: 36.00
Depth to water: 21.98

Recharge Measurement
Time: 1239
Depth to water: 21.72

Calculated purge: 41.9 gal
Actual purge: 41.9 L

Start purge: 1220 Sampling time: 1240

Time	Temp.	E.C.	pH	Turbidity	Volume
1226	80.1	1820	7.57	—	1
1229	77.3	1219	7.53	—	2
1232	73.5	1077	7.23	—	3
1235	72.7	1028	7.20	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Hansen

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-3

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 1
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____ 2" disposable bailer
_____ 2" PVC bailer
_____ 4" PVC bailer
_____ Submersible pump
_____ Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1048
Depth of well: 38.00
Depth to water: 25.85

Recharge Measurement
Time: 1134
Depth to water: 25.94

Calculated purge: 31.6 gal
Actual purge: 31.6 "

Start purge: 1110 Sampling time: 1135

Time	Temp.	E.C.	pH	Turbidity	Volume
1115	72.9	1285	810	—	1
1120	73.2	1267	805	—	2
1125	72.8	1323	7.88	—	3
1131	73.1	1318	7.60	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Hansen

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW- 4

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 4
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1034
Depth of well: 39.14
Depth to water: 21.23

Recharge Measurement
Time: 309
Depth to water: 22.41

Calculated purge: 46.6 gal
Actual purge: 46.6 gal

Start purge: 249 Sampling time: 310

Time	Temp.	E.C.	pH	Turbidity	Volume
263	79.4	1475	7.27	—	1
257	78.7	1309	7.09	—	2
302	78.7	1262	7.02	—	3
306	78.0	1155	6.98	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Van...

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-5

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 2
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2" X 4" ____ 6" ____ 8" ____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1055
Depth of well: 34.70
Depth to water: 22.48

Recharge Measurement
Time: 244
Depth to water: 23.14

Calculated purge: 7.8 gal
Actual purge: 7.8 "

Start purge: 238 Sampling time: 245

Time	Temp.	E.C.	pH	Turbidity	Volume
239	78.4	1387	6.81	—	1
240	78.0	1393	6.92	—	2
241	77.0	1420	6.92	—	3
242	76.7	1437	6.94	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Hansa

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW- 6

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 10
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment: _____2" disposable bailer _____Submersible pump
_____2" PVC bailer _____Dedicated bailer
_____4" PVC bailer X Centrifugal pump

Sampled with: Disposal bailer: ✓ Teflon bailer: _____

Well Diameter: 2" X 4"____ 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement: Time: 1042 Depth of well: 39.22 Depth to water: 23.04

Recharge Measurement: Time: 149 Depth to water: 23.10

Calculated purge: 10.4 gal Actual purge: 10.4 gal

Start purge: 140 Sampling time: 150

Time	Temp.	E.C.	pH	Turbidity	Volume
141	79.1	1376	7.47	—	1
142	78.7	1377	7.32	—	2
143	78.2	1366	7.29	—	3
144	77.0	1328	7.14	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Wal Vanden

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-7

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 2
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: Y Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1038
Depth of well: 33.97
Depth to water: 17.07

Recharge Measurement
Time: 234
Depth to water: 17.41

Calculated purge: 43.9 gal
Actual purge: 44 "

Start purge: 213 Sampling time: 235

Time	Temp.	E.C.	pH	Turbidity	Volume
215	78.4	1196	7.13	—	1
220	74.1	1133	7.16	—	2
225	72.1	1109	7.03	—	3
230	71.5	1157	6.94	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Kal Larson

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-8

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): _____
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK_____
12" BK_____ 12" DWP X 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment:
_____2" disposable bailer
_____2" PVC bailer
_____4" PVC bailer
_____Submersible pump
_____Dedicated bailer
X Centrifugal pump

Sampled with: Disposal bailer: ✓ Teflon bailer: _____

Well Diameter: 2"____ 4" X 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1031
Depth of well: 39.27
Depth to water: 15.51

Recharge Measurement
Time: 314
Depth to water: 15.71

Calculated purge: 61.8 gal
Actual purge: 61.8 gal

Start purge: 313 Sampling time: 335

Time	Temp.	E.C.	pH	Turbidity	Volume
318	78.5	1179	7.20	—	1
323	75.7	1151	7.20	—	2
328	74.5	1155	7.21	—	3
332	74.0	1167	7.18	—	4

Sample appearance: clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Matt Hanson

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-9

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 2
Well cover type: 8" UV_____ 12" UV_____ 12" EMCO_____ 8" BK X
12" BK_____ 12" DWP_____ 12" CNI_____ 36" CNI_____ Other_____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment: _____2" disposable bailer _____Submersible pump
_____2" PVC bailer _____Dedicated bailer
_____4" PVC bailer X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2" X 4"____ 6"____ 8"____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 1028
Depth of well: 2323
Depth to water: 1032

Recharge Measurement
Time: 128
Depth to water: 1054

Calculated purge: 8.3 gal
Actual purge: 8.4 gal

Start purge: 120 Sampling time: 130

Time	Temp.	E.C.	pH	Turbidity	Volume
121	81.1	1259	7.15	———	1
122	79.3	1330	6.98	———	2
122	75.4	1296	6.82	———	3
123	76.2	1331	6.73	———	4

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap:_____ Lock #3753:_____ 7/32 Allenhead:_____
4" Locking Cap:_____ Lock-Dolphin:_____ 9/16 Bolt:_____
6" Locking Cap:_____ Pinned Allenhead (DWP):_____

Remarks: _____

Signature: Hal Hanson

DOULOS ENVIRONMENTAL COMPANY SAMPLING INFORMATION SHEET

Client: Ultramar Sampling Date: 9-15-94

Site: Beacon #546 Project No.: 94-546-01

29705 Mission Blvd. Well Designation: MW-10

Hayward, CA

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 8
Well cover type: 8" UV X 12" UV _____ 12" EMCO _____ 8" BK _____
12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
General condition of wellhead assembly: Excellent (Good) Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
_____ 2" PVC bailer _____ Dedicated bailer
_____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposal bailer: X Teflon bailer: _____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement: Time: 1022 Depth of well: 21.46 Depth to water: 7.51

Recharge Measurement: Time: 1249 Depth to water: 9.00

Calculated purge: 8.9 gal Actual purge: 8.9 "

Start purge: 1244 Sampling time: 1250

Time	Temp.	E.C.	pH	Turbidity	Volume
1245	80.2	1358	7.22	—	1
1245	78.5	1349	7.20	—	2
1246	74.4	1298	7.14	—	3
1246	73.7	1293	7.13	—	4

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: Hal Hansen