Ultramar

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

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

January 19, 1993

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

SUBJECT: FORMER BEACON STATION NO. 546, 29705 MISSION BOULEVARD, HAYWARD, CALIFORNIA

Dear Mr. Murphy:

Enclosed is a copy of the quarterly ground-water monitoring report for the third quarter 1992 for the above-referenced Ultramar facility. Also included is a copy of the Quarter Status Report which describes the work completed this quarter and the work anticipated to be completed next quarter.

As discussed during our recent telephone conversation, Ultramar has installed an additional offsite downgradient well for further plume definition. Once the final report has been received by Ultramar it will be forwarded to your office.

Also, Ultramar is in the process of drafting a new access agreement to send to Mr. Sommer, owner of the Holiday Bowl property. It is anticipated that the new agreement will be sent to him before the end of the month.

Ultramar plans to perform a ground-water pump test on well MW-8 to assess the aquifer parameters to evaluate remediation options.

Please call if you have any question regarding this project.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosures

cc/encls: Mr. Vijay B. Patel, San Francisco Region, RWQCB

Ultramar

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

HAYWARD FILE ENT Telecopy

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

ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: January 19, 1993
QUARTER ENDING: September 30, 1992

SERVICE STATION NO.: 546
ADDRESS: 29705 Mission Boulevard, Hayward, CA
COUNTY: Alameda

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

BACKGROUND:

In March 1987, five borings were drilled around the underground storage tanks. Hydrocarbons were detected in the soil and ground water beneath the site. In April 1988, three underground fuel storage tanks and one waste oil tank were removed. Hydrocarbons were detected beneath the fuel storage tanks. In June and July 1988, three monitoring wells (MW-1 through MW-3) were installed. Results indicated that petroleum hydrocarbons were present in the ground water beneath the site. In June 1989 and February 1990, a total of five additional wells (MW-4 through MW-8) were installed. Varying concentrations have been detected in all the wells through time.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on September 23, 1992.

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that benzene concentration was only detected in MW-8. The benzene concentration remained not detected in all other wells sampled.

Wells MW-4, MW-5, and MW-6 were not sampled because Ultramar has been denied access to the Holiday Bowl property.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY	ESTIMATED COMPLETION DATE
Continue quarterly ground-water sampling	

AEGIS ENVIRONMENTAL, INC.
1050 Melody Lane, Suite 160, Roseville, CA 95678 ✦ 916 • 782-2110 / 916 • 969-2110 / FAX 916 • 786-7830

December 14, 1992

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

Subject: **Third Quarter Groundwater Monitoring Results Report**
Former Beacon Station #546
29705 Mission Boulevard, Hayward, California

Dear Mr. Fox:

Aegis Environmental, Inc. (Aegis), has been authorized by Ultramar Inc. (Ultramar), to perform third quarter groundwater monitoring. This report presents the results of quarterly groundwater monitoring at the above-referenced Ultramar facility. The site location is shown on Figure 1. The monitoring program included depth-to-water measurements, subjective evaluation for the presence of hydrocarbons, and groundwater sampling in five (5) groundwater monitoring wells (MW-1 through MW-3, and MW-7 and MW-8) associated with the site (Figure 2). Wells MW-4 through MW-6, located on the Holiday Bowl property, were not sampled because Ultramar was not granted access to the adjacent property. After purging each of the wells, samples were collected and analyzed for total petroleum hydrocarbons (TPH), as gasoline, and benzene, toluene, ethylbenzene, and total xylenes (BTEX). These activities were performed on September 23, 1992, following the attached field protocols (Attachment 1).

RESULTS

Current and previous groundwater elevation data are presented in Table 1. Groundwater elevation data indicates that the groundwater surface has fallen an average of 1.15 feet since the last quarterly event. Groundwater flow direction and gradient were evaluated from the groundwater elevation data collected on September 23, 1992. The inferred groundwater flow direction is toward the southwest with a gradient of approximately 0.005 (Figure 2) which are consistent with the previous flow direction and gradient.

Subjective analyses of water in the wells indicated that no wells exhibited signs of free floating hydrocarbons.

Previous and current analytical results are presented in Table 2. Copies of the chain-of-custody and laboratory reports from this latest monitoring are presented in Attachment 2.

These current data indicate that the dissolved benzene concentrations have decreased, in MW-8 from 560 parts-per-billion (ppb) to 390 ppb. Benzene levels in monitoring wells MW-1, MW-2, MW-3, and MW-7 remained below detection limits.

REMARKS/SIGNATURES

The interpretations and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices at this time and for this specific site. 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 workplan by third parties shall be at such parties sole risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Ultramar Inc., with geologic, engineering, and environmental consulting services, and trust this workplan meets your needs. If you have any questions or concerns, please call us at (916) 782-2110.

It is recommended that a copy of this report be submitted to the following agencies:

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

Sincerely,

AEGIS ENVIRONMENTAL, INC.

Tom Landwehr
Project Geologist

Pat Wright
Registered Geologist
CRG No. 529

12-16-92
Date

TL/PW/law

92-067A.QMR

REMARKS/SIGNATURES

The interpretations and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices at this time and for this specific site. 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 workplan by third parties shall be at such parties sole risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Ultramar Inc., with geologic, engineering, and environmental consulting services, and trust this workplan meets your needs. If you have any questions or concerns, please call us at (916) 782-2110.

It is recommended that a copy of this report be submitted to the following agencies:

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

Sincerely,

AEGIS ENVIRONMENTAL, INC.

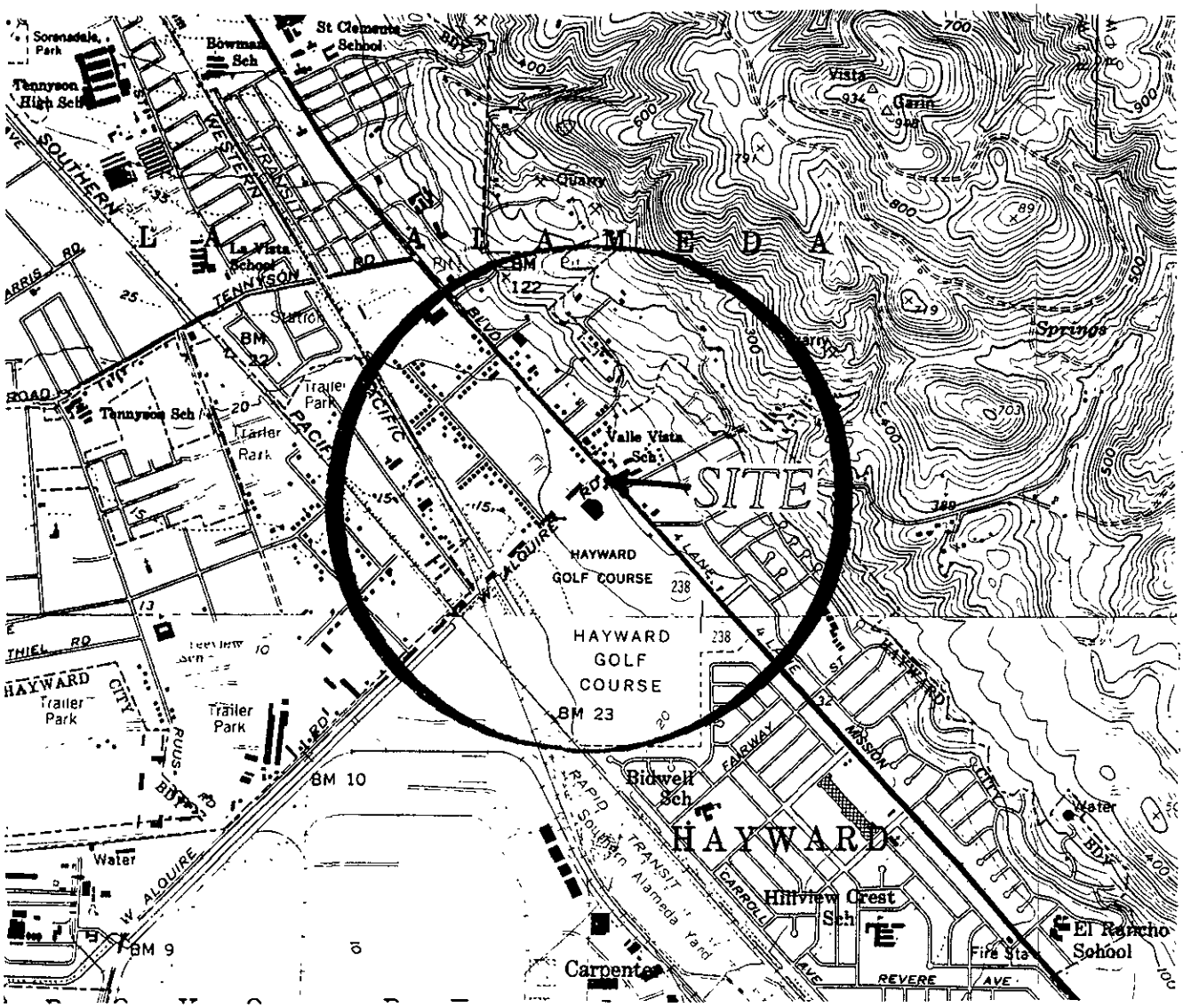
Tom Landwehr
Project Geologist

Pat Wright
Registered Geologist
CRG No. 529

12-16-92
Date

TL/PW/law

FIGURES

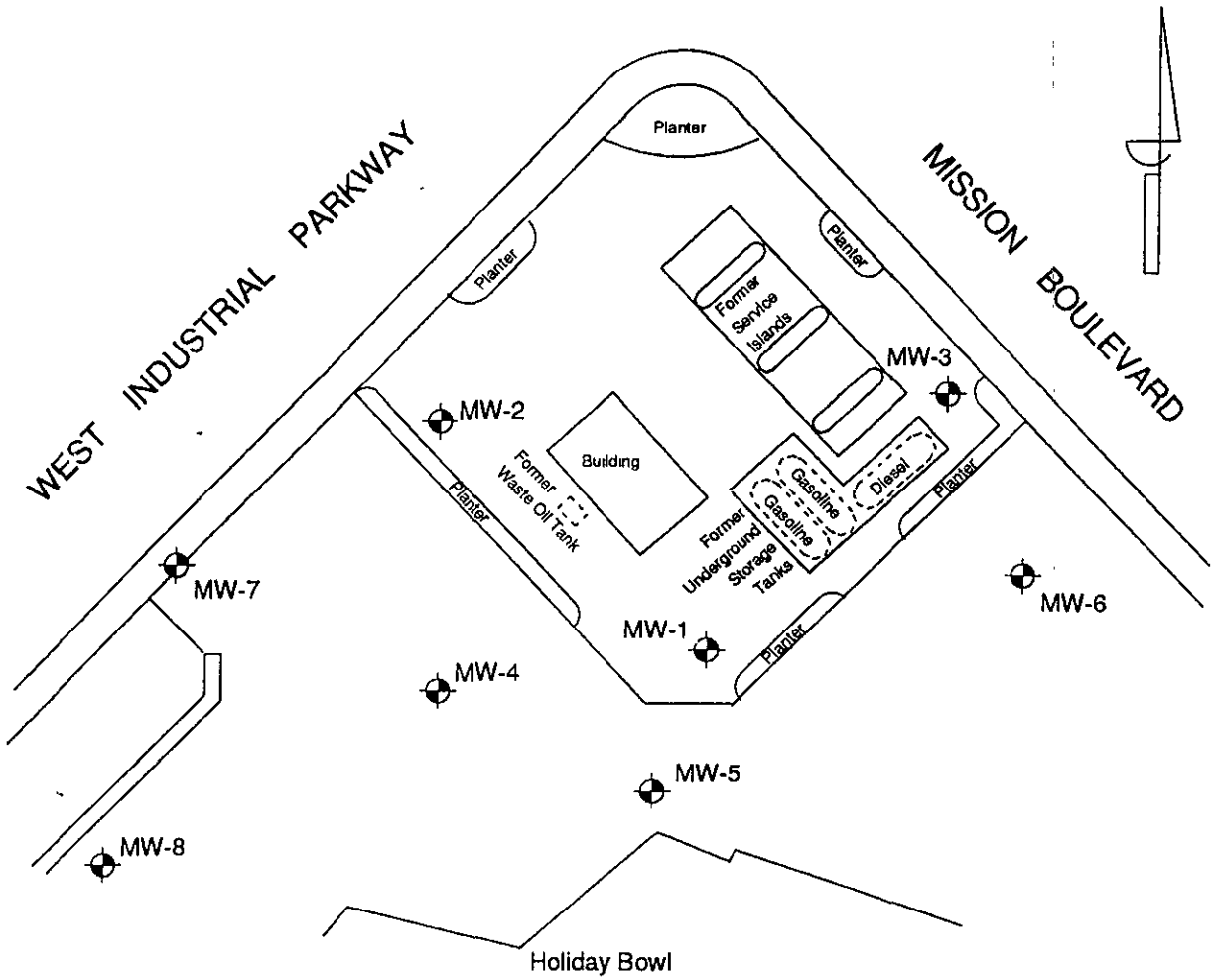


GENERAL NOTES:

BASE MAP FROM USGS
7.5 MINUTE TOPOGRAPHIC
HAYWARD & NEWARK, CA

0 2000 4000
Approximate Scale
1" = 2000'

AEGIS ENVIRONMENTAL, INC.		SITE LOCATION MAP	FIGURE 1
DRAWN BY: Ed Bernard	DATE: September 29, 1992	Beacon Station # 546 20705 Mission Boulevard Hayward, CA	PROJECT NUMBER 10-92067
REVISED BY:	DATE		
REVIEWED BY:	DATE		



LEGEND

Monitoring Well

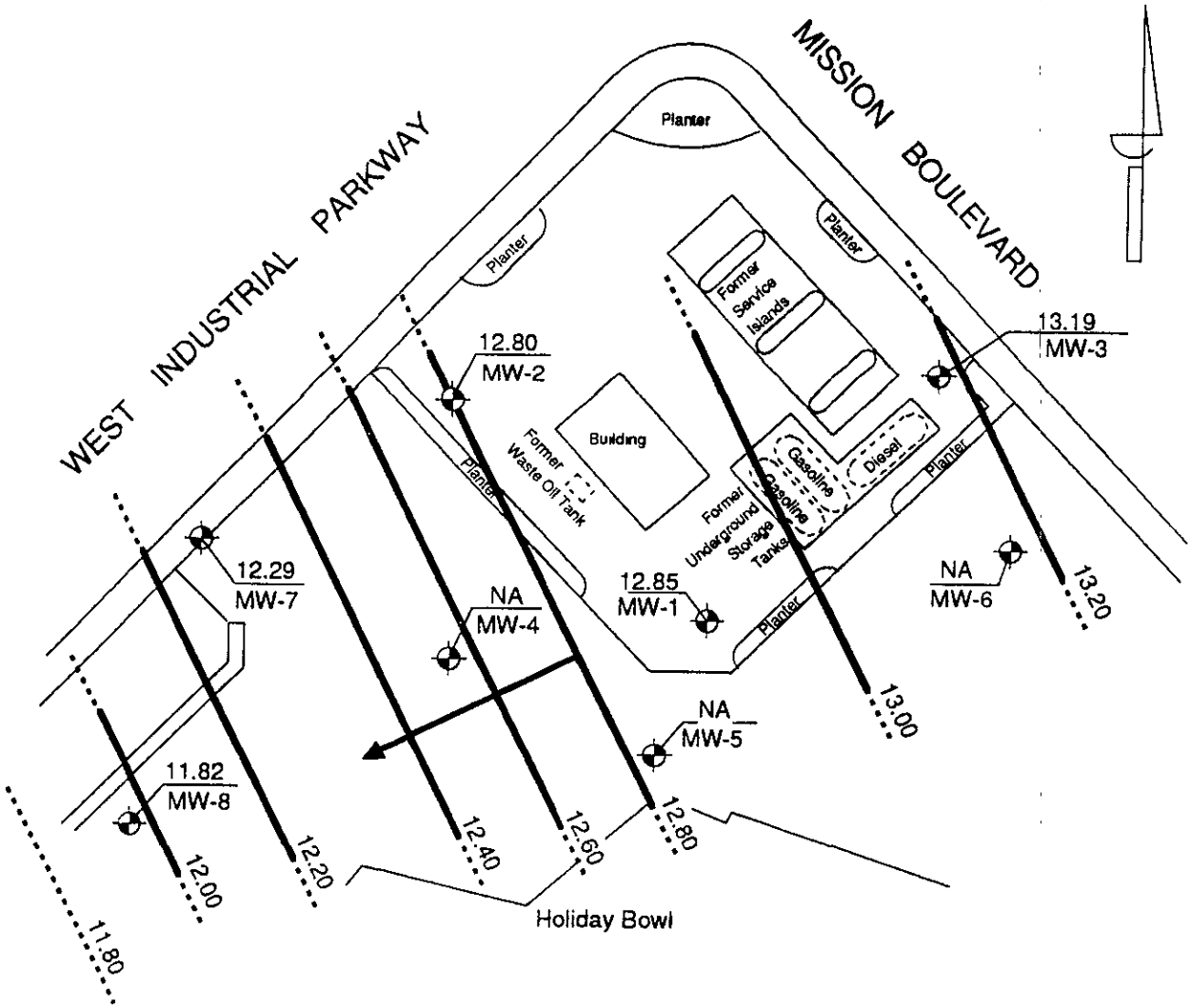
NOTES

Site Sketch After
Site Map
By Ultramar
Date: August 5, 1992

All locations Are Approximate

0 60 120
Approximate Scale
1" = 60'

AEGIS ENVIRONMENTAL, INC.		SITE MAP	FIGURE 2
DRAWN BY: Ed Bernard	DATE: September 29, 1992	Beacon Station # 546 20705 Mission Boulevard Hayward, CA	PROJECT NUMBER: 10-92067
REVISED BY:	DATE		
REVIEWED BY:	DATE:		



LEGEND

- Monitoring Well
- 13.19 — Groundwater Elevation
- Potentiometric Surface Contour (Dashed Where Inferred)
- Estimated Direction Of Groundwater Flow
- NA — Not Available

NOTES

Site Sketch After
Site Map
By Ultramar
Date: August 5, 1992

All locations Are Approximate

Estimated Hydraulic Gradient ≈ 0.005 ft. / ft.
Contour Interval = 0.2 ft.

0 60 120
Approximate Scale
1" = 60'

AEGIS ENVIRONMENTAL, INC.		POTENTIOMETRIC SURFACE MAP September 23, 1992	FIGURE 3
DRAWN BY: Ed Bernard	DATE: September 29, 1992	Beacon Station # 546 20705 Mission Boulevard Hayward, CA	PROJECT NUMBER: 10-92067
REVISED BY:	DATE		
REVIEWED BY:	DATE		

TABLES

TABLE 1

WATER LEVEL DATA

FORMER 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]
MW-1	06/28/90	37.46	23.77	13.69
	04/15/92		22.10	15.36
	07/07/92		23.40	14.06
	09/23/92*		24.61	12.85
MW-2	06/28/90	35.95	22.41	13.54
	04/15/92		20.88	15.07
	07/07/92		21.95	14.00
	09/23/92*		23.15	12.80
MW-3	06/28/90	40.28	26.29	13.99
	04/15/92		24.59	15.69
	07/07/92		25.90	14.38
	09/23/92*		27.09	13.19
MW-4	06/28/90	34.94	21.67	13.27
	04/15/92		NA	NA
	07/07/92		NA	NA
	09/23/92*		NA	NA
MW-5	06/28/90	36.37	22.87	13.50
	04/15/92		NA	NA
	07/07/92		NA	NA
	09/23/92*		NA	NA

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = Elevation referenced to (mean sea level or arbitrary benchmark).
* = Data collected prior to 09/23/92 are from a previous consultant.
NA = Not accessible.

TABLE 1 (CONTINUED)

WATER LEVEL DATA

FORMER 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]
MW-6	06/28/90	37.43	23.52	13.91
	04/15/92		NA	NA
	07/07/92		NA	NA
	09/23/92*		NA	NA
MW-7	06/28/90	30.50	17.60	12.90
	04/15/92		16.00	14.50
	07/07/92		17.10	13.40
	09/23/92*		18.21	12.29
MW-8	06/28/90	28.48	15.57	12.91
	04/15/92		14.30	14.18
	07/07/92		15.60	12.88
	09/23/92*		16.66	11.82

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = Elevation referenced to (mean sea level or arbitrary benchmark).
* = Data collected prior to 09/23/92 are from a previous consultant.
NA = Not accessible.

TABLE 2

ANALYTICAL RESULTS: GROUNDWATER

FORMER 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	06/28/90	1,700	160	64	69	260
	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
MW-2	06/28/90	900	110	4.8	72	68
	04/15/92	1,200	21	<0.5	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
MW-3	06/28/90	<50	<0.5	<0.5	<0.5	<0.5
	04/15/92	69	1.8	<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
MW-4	06/28/90	4,600	600	410	110	460
	04/15/92	---	---	---	---	---
	07/07/92	---	---	---	---	---
	09/23/92*	---	---	---	---	---

NOTES. --- = Not analyzed.
< = Below the indicated detection limits as labeled in the laboratory analytical results.
* = Analytical results prior to 09/23/92 are from a previous consultant.

TABLE 2 (CONTINUED)

ANALYTICAL RESULTS: GROUNDWATER

FORMER 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-5	06/28/90	12,000	2,900	240	630	930
	04/15/92	---	---	---	---	---
	07/07/92	---	---	---	---	---
	09/23/92*	---	---	---	---	---
MW-6	06/28/90	<50	<0.5	<0.5	<0.5	<0.5
	04/15/92	---	---	---	---	---
	07/07/92	---	---	---	---	---
	09/23/92*	---	---	---	---	---
MW-7	06/28/90	960	23	<0.5	90	<0.5
	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
MW-8	06/28/90	20,000	800	190	0.6	380
	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

NOTES:
--- = Not analyzed.
< = Below the indicated detection limits as labeled in the laboratory analytical results.
* = Analytical results prior to 09/23/92 are from a previous consultant.

ATTACHMENT 1

STANDARD OPERATING PROCEDURES

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES
SOP-4

Sample identification and chain-of-custody procedures ensure sample integrity, and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, sampling methodology, name(s) of on-site personnel and any other pertinent field observations also recorded on the field excavation or boring log.

Chain-of-custody forms are used to record possession of the sample from time of collection to its arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample-control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL
SOP-5

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;

2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;

3. Standard operating procedures describing routine and periodic instrument maintenance;

4. "Out-of-Control"/Corrective Action documentation procedures; and,

5. Multi-level review of raw data and client reports.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURE
RE: GROUNDWATER PURGING AND SAMPLING
SOP-7

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten well-bore volumes of groundwater have been recovered, or the well is bailed dry. When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

The groundwater sample is decanted into each VOA vial in such a manner that there is no meniscus at the top of the vial. A cap is quickly secured to the top of the vial. The vial is then inverted and gently tapped to see if air bubbles are present. If none are present, the vial is labeled and refrigerated for delivery, under strict chain-of-custody, to the analytical laboratory. Label information should include a unique sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

For quality control purposes, a duplicate water sample is collected from each well. This sample is put on hold at the laboratory. When required, a trip blank is prepared at the laboratory and placed in the transport cooler. It is labeled similar to the well samples, remains in the cooler during transport, and is analyzed by the laboratory along with the groundwater samples. In addition, a field blank may be prepared in the field when sampling equipment is not dedicated. The field blank is prepared after a pump or bailer has been either steam cleaned or properly washed, prior to use in the next well, and is analyzed along with the other samples. The field blank analysis demonstrates the effectiveness of the in-field cleaning procedures to prevent cross-contamination.

To minimize the potential for cross-contamination between wells, all well development and water sampling equipment not dedicated to a well is either steam cleaned or properly washed between use. As a second precautionary measure, wells are sampled in order of least to highest concentrations as established by available previous analytical data.

In the event the water samples cannot be submitted to the analytical laboratory on the same day they are collected (e.g., due to weekends or holidays), the samples are temporarily stored until the first opportunity for submittal either on ice in a cooler, such as when in the field, or in a refrigerator at Aegis' office.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURE
RE: MEASURING LIQUID LEVELS USING WATER LEVEL OR INTERFACE PROBE
SOP-12

Field equipment used for liquid-level gauging typically includes the measuring probe (water-level or interface), light filter(s), and product bailer(s). The field kit also includes cleaning supplies (buckets, TSP, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurement, the probe tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "depth to water" (DTW).

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case. After grounding the probe, the top of the well casing is fitted with a light filter to insure that sunlight does not interfere with the operation of the probe's optical mechanism.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water indicator and the DTW measurement is made accordingly. The steady tone indicates floating hydrocarbons. In this case, the probe is slowly raised until the steady tone ceases. This is the depth-to-product (DTP) indicator and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When floating product is indicated by the probe's response, a product bailer is lowered partially through the product-water interface to confirm the product on the water surface, and as further indication of product thickness, particularly in cases where the product layer is quite thin. This measurement is recorded on the data sheet as "product thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with TSP solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

October 2, 1992
Sample Log 5092

John Giorgi
Aegis Environmental Consultants, Inc.
1050 Melody Lane, Suite 160
Roseville, CA 95678

Subject: Analytical Results for 5 Water Samples
Identified as: Beacon 546
Received: 09/24/92

Dear Mr. Giorgi:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on October 2, 1992 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 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Joel Kiff
Senior Chemist

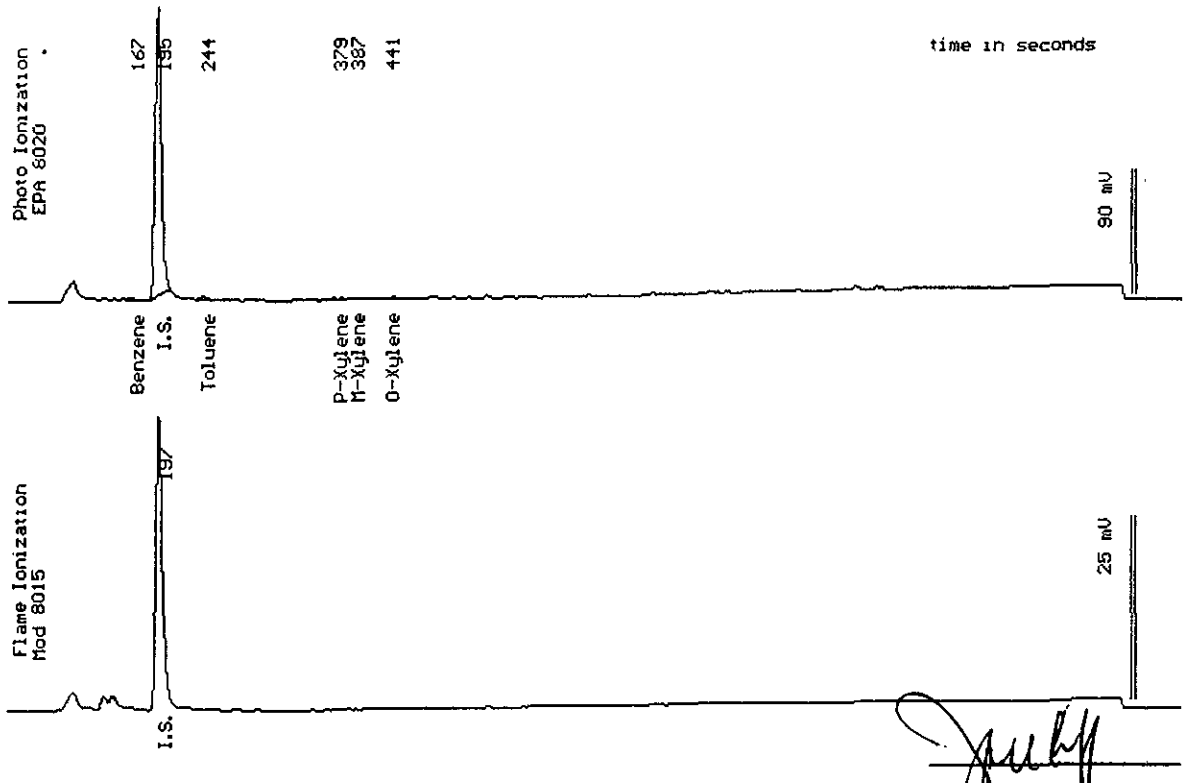
Sample Log 5092

5092-1

Sample: **MW-1**

From : Beacon 546
Sampled : 09/23/92
Dilution : 1:1 QC Batch : 4056E
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50



Date Analyzed: 09-29-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

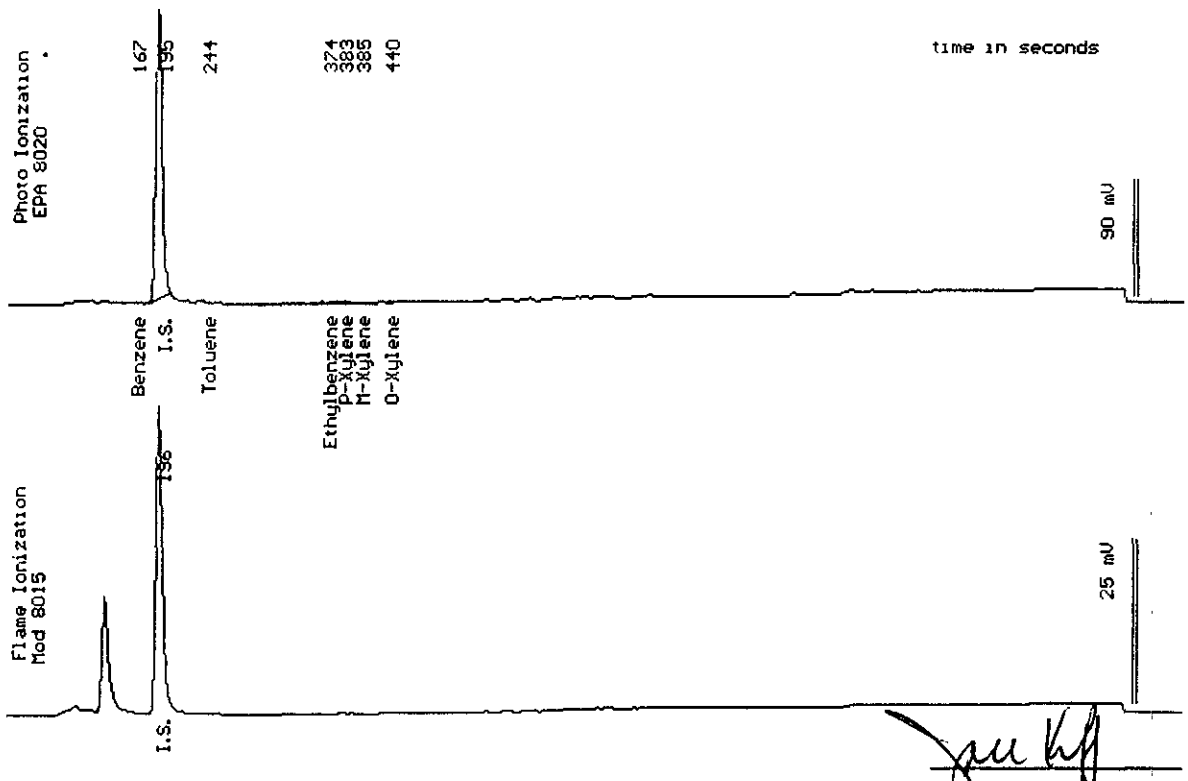
Sample Log 5092

5092-2

Sample: **MW-2**

From : Beacon 546
Sampled : 09/23/92
Dilution : 1:1 QC Batch : 4056E
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50



Date Analyzed: 09-29-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

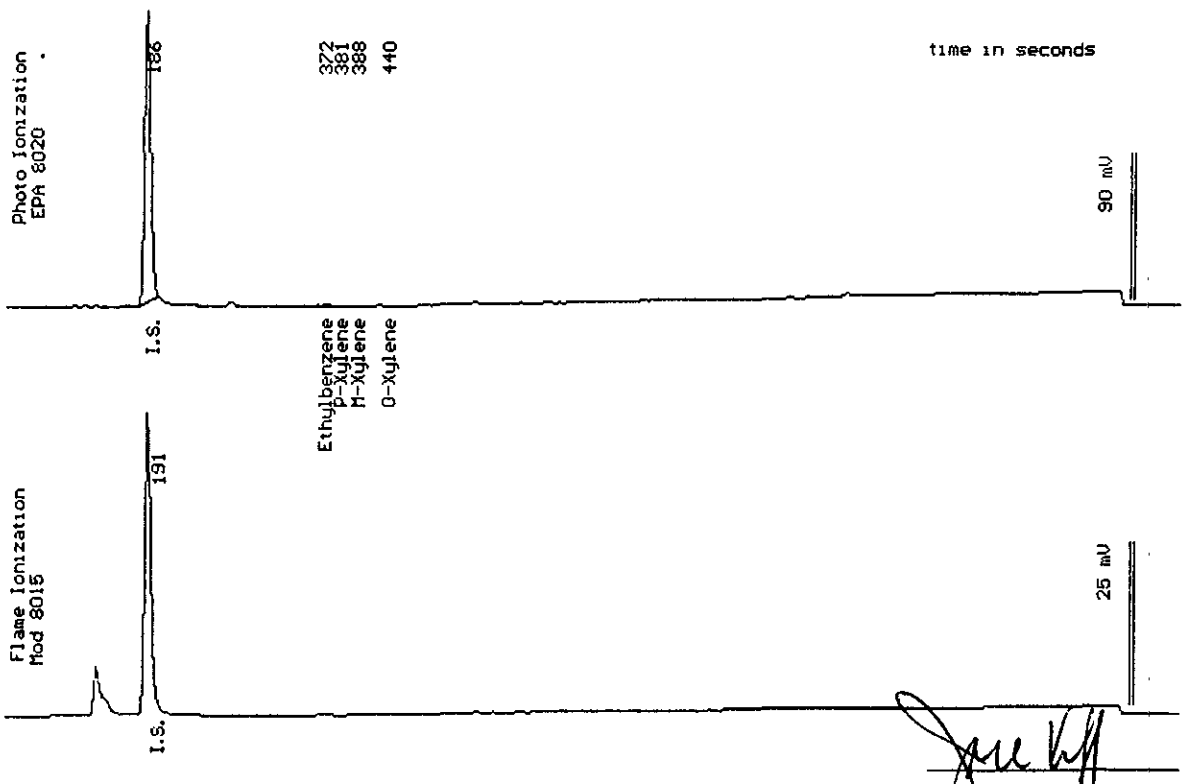
Sample Log 5092

5092-3

Sample: **MW-3**

From : Beacon 546
Sampled : 09/23/92
Dilution : 1:1 QC Batch : 4056E
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	<50



Date Analyzed: 09-29-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

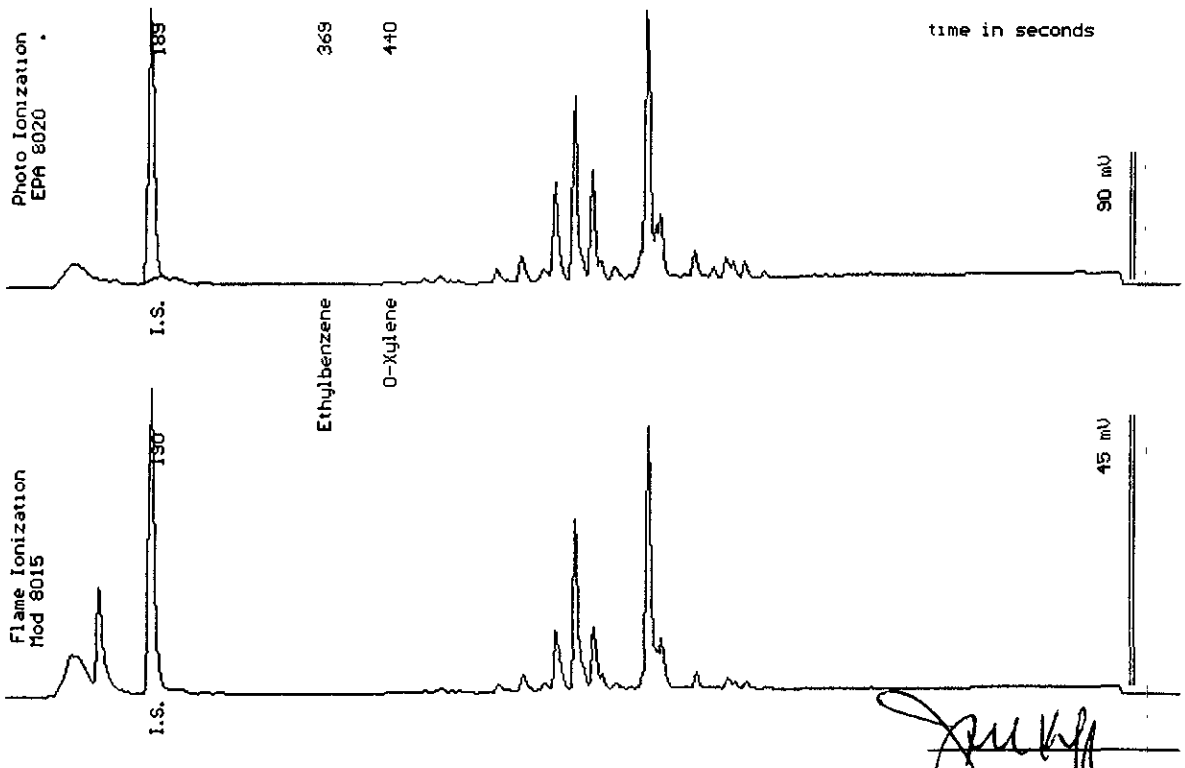
Sample Log 5092

5092-4

Sample: **MW-7**

From : Beacon 546
Sampled : 09/23/92
Dilution : 1:1 QC Batch : 4056E
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	<.50
Toluene	(.50)	<.50
Ethylbenzene	(.50)	<.50
Total Xylenes	(.50)	<.50
TPH as Gasoline	(50)	90



Date Analyzed: 09-29-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

Western Environmental Science & Technology • 45133 County Road 32B • Davis, CA 95616 • 916 753-9500 • FAX: 916 757-4652

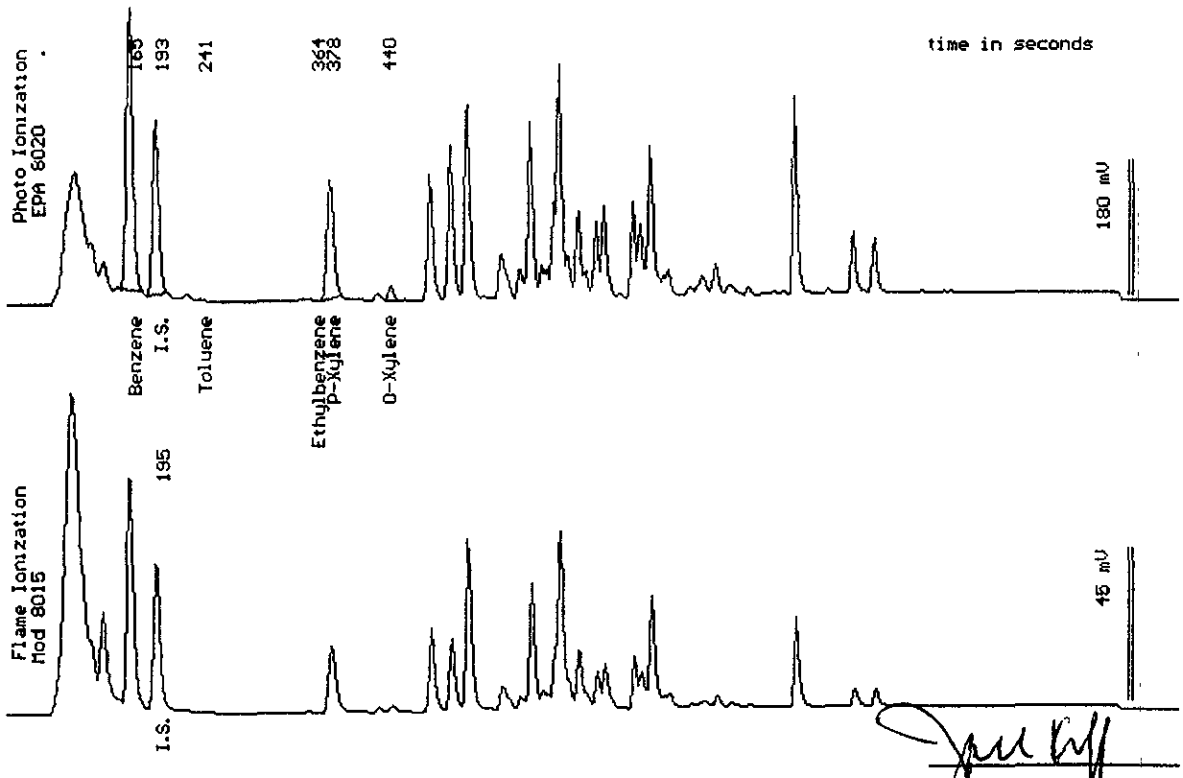
Sample Log 5092

5092-5

Sample: **MW-8**

From : Beacon 546
Sampled : 09/23/92
Dilution : 1:10 QC Batch : 4056G
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(5.0)	370
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	150
TPH as Gasoline	(500)	4200



Date Analyzed: 09-30-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

Western Environmental Science & Technology · 45133 County Road 32B · Davis, CA 95616 · 916 753-9500 · FAX: 916 757-4652

Ultramar Inc.
CHAIN OF CUSTODY REPORT

PL # 1555
fridge # 1

BEACON

Beacon Station No.	Sampler (Print Name)			ANALYSES								Date	Form No.
546	John Giorgi											9-23-92	1 of 1
Project No.	Sampler (Signature)											Standard TAT	
NEW	John Giorgi												
Project Location	Affiliation												
2075 Mission Blvd Hayward CA	Aegis Environmental												
Sample No./Identification	Date	Time	Lab No.	BTEX	TPH (gasoline)	TPH (diesel)					No. of Containers	REMARKS	
MW-1	9-23-92	12:45		X	X						2	40 ml VOA's	
MW-2		12:30		X	X						2		
MW-3		12:38		X	X						2		
MW-7		12:53		X	X						2		
MW-8		13:05		X	X						2		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
John Giorgi / Aegis	9/24/92	16:28			
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
				9/24/92	16:28

Report To: John Giorgi
1050 Melody Lane Suite 160
Roseville, CA 95678

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

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

32-8003 1/90