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

ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: October 1, 1993

QUARTER ENDING: June 30, 1993

FORMER SERVICE STATION NO.: 574

ADDRESS: 22315 Redwood Road, Castro Valley, CA

COUNTY: Alameda

ULTRAMAR CONTACT: Kenneth R. Earnest

TEL. NO: 209-583-5571

BACKGROUND:

On May 5, 1987, five underground storage tanks (two gasoline, two diesel and one waste oil) were excavated and removed from Soil samples were collected from beneath the tanks the site. hydrocarbon constituents. analyzed for and preliminary analytical data related to the collected soil samples, it was determined that elevated levels of gasoline and diesel were present in the soil beneath the former fuel Soil was overexcavated from beneath the former fuel tanks. Soil samples were collected after the over-excavation tanks. and confirmed that the addition excavation was successful.

During March 1991, three ground-water monitoring wells were Laboratory analysis of soil samples on-site. installed the borings for the installation of the obtained from monitoring wells indicated that the soil near the soil/water interface exhibited gasoline range hydrocarbons.

Quarterly monitoring was initiated during the fourth quarter 1991.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed second quarter monitoring on May 7, 1993.

RESULT OF QUARTERLY MONITORING:

indicate that since the previous sampling event Results concentrations in MW-1 and MW-3 have increased. benzene Benzene and TPH-g concentrations in MW-2 have decreased.



Ultramar

93 OCT -4 PM 2: 10

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October 1, 1993

Mr. Scott O. Seery, CHMM Senior Hazardous Materials Specialist Alameda County Health Care Services 80 Swan Way, Room 200 Oakland, CA 94621

SUBJECT: FORMER BEACON STATION NO. 574, 22315 REDWOOD ROAD, CASTRO VALLEY,

CALIFORNIA

Dear Mr. Seery:

Enclosed is a copy of the Second Quarter 1993 Groundwater Monitoring Report for the above-referenced Ultramar facility prepared by Aegis Environmental, Inc. Also included with the report is a copy of the Quarterly Status report describing the work performed this quarter and the work anticipated to be conducted in the next quarter.

Please do not hesitate to call if you have any questions about this project at (209) 583-5571.

Sincerely,

ULTRAMAR INC.

Kenneth R. Earnest

Environmental Specialist I

Marketing Environmental Department

Enclosure:

Second Quarter 1993 Groundwater Monitoring Report

Quarterly Status Report

cc w/encl:

Mr. Rich Hiett, San Francisco Bay Region, RWQCB



PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY

ESTIMATED COMPLETION DATE

Third quarter monitoring

August 1993

Install five ground-water monitoring wells

May 1993

September 23, 1993

ENVIRONMENTAL. INC

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

Subject:

Second Quarter 1993 Groundwater Monitoring Report

Beacon Station #574

22315 Redwood Road, Castro Valley, California

Dear Mr. Earnest:

Aegis Environmental, Inc. (Aegis), is pleased to provide Ultramar Inc. this report documenting the results of quarterly groundwater monitoring conducted on May 7, 1993, at the subject site (Figure 1). The monitoring included measurements of depth to groundwater, subjective analysis of free product, and collection of groundwater samples.

GROUNDWATER ELEVATIONS

Prior to purging, Aegis personnel collected depth-to-water measurements. Groundwater level data from March 1992 to date, are summarized in Table 1. Previous groundwater level data are included in Attachment 3. All measurements of depths to groundwater were conducted according to the Aegis standard operating procedures (SOP) included in Attachment 1. On the basis of the current measurements, groundwater flows to the southwest (Figure 2) at a gradient of 0.02 ft/ft. Groundwater levels have decreased an average of 0.65-feet compared to the last monitoring event.

GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from all three wells. The samples were collected according to the Aegis SOP included in Attachment 1. All samples were analyzed for concentrations of:

- Total petroleum hydrocarbons, as gasoline, by modified EPA Method 8015;
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 602.

Analytical results from March 1992 to date are summarized in Table 2. Previous analytical results are included in Attachment 4. Figure 3 is a distribution map of benzene in groundwater based on the current data. The laboratory report and chain-of-custody form are included as Attachment 2. Benzene concentrations have increased in wells MW-1 and MW-3, and decreased in well MW-2 compared to the last sampling event.

Aegis recommends a copy of this quarterly monitoring report be forwarded to the following parties:

Mr. Scott Seery
Senior Hazardous Materials Specialist
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, California 94621

Mr. Rich Hiett San Francisco Bay Regional Water Quality Control Board 2101 Webster Street, Suite 500 Oakland, California 94612 This report has been prepared for the sole use of Ultramar Inc. Any reliance on this report by third parties shall be at such parties' own risk. The work described herein was performed under the review and supervision of the professional geologist, registered with the State of California, whose signature appears below.

No. 5600

Exp. 6/30/95

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

Sincerely,

AEGIS ENVIRONMENTAL, INC.

Owen W. Kittredge

Project Geologist

Paul Graff

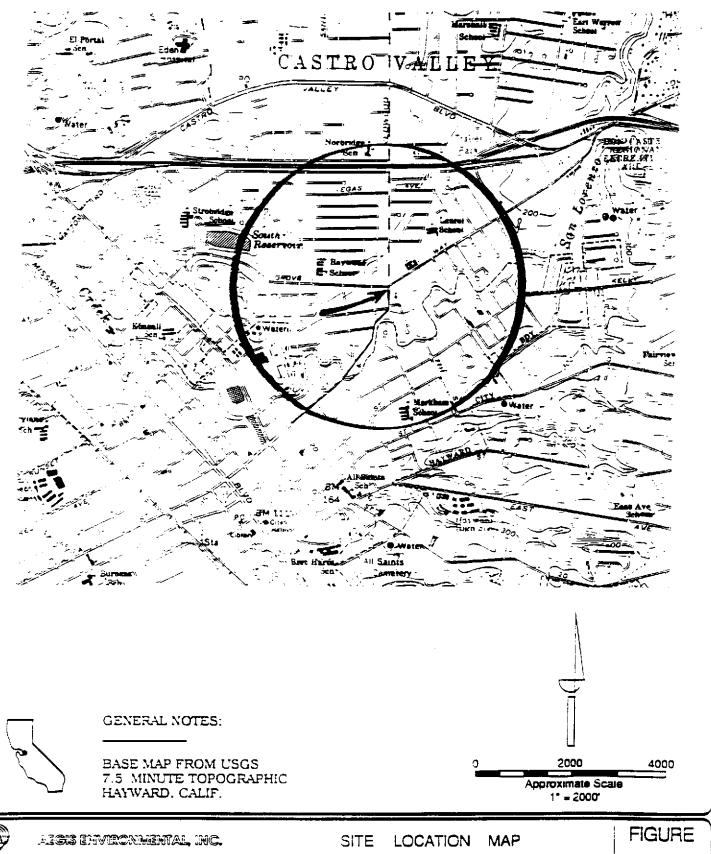
Senior Geologist

CRG No. 5600

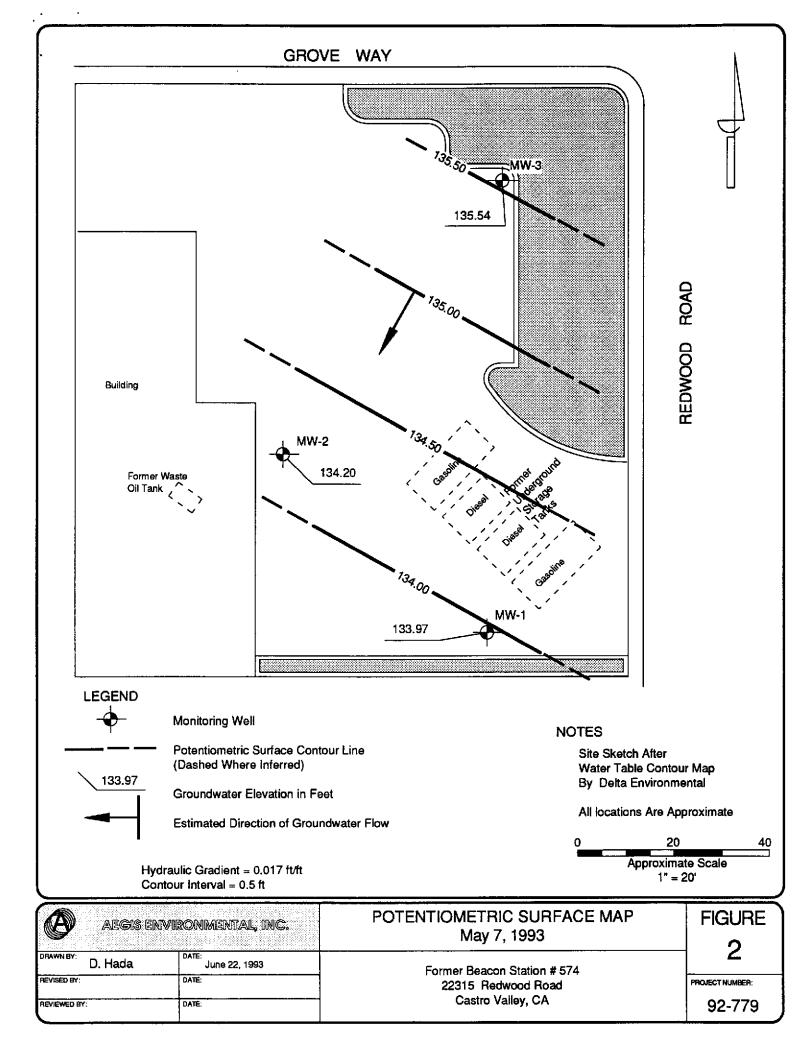
OMK/PKG/srr

Attachments

FIGURES:	FIGURE 1 SITE LOCATION MAP
	FIGURE 2 POTENTIOMETRIC SURFACE MAP (MAY 7, 1993)
	FIGURE 3 DISTRIBUTION MAP OF BENZENE IN GROUNDWATER (MAY 7, 1993)
TABLES:	TABLE 1 WATER LEVEL DATA
	TABLE 2 ANALYTICAL RESULTS: GROUNDWATER
ATTACHMENTS:	ATTACHMENT 1 STANDARD OPERATING PROCEDURES
	ATTACHMENT 2 LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORM
	ATTACHMENT 3 HISTORICAL WATER LEVEL DATA
	ATTACHMENT 4 HISTORICAL ANALYTICAL DATA
	ATTACHMENT 5 FIELD DATA SHEETS



	Azgis envernmental, inc	SITE LOCATION MAP	FIGURE
CRAWN 8Y	Ed Berand April 13, 1992	Former Beacon Station # 574	1
REVISED BY	2ATE	22315 Redwood Road	PROJECTIMANIER
REVIEWED &	m Juna 32 April 15 1992	Castro Vailey, CA	10-91212



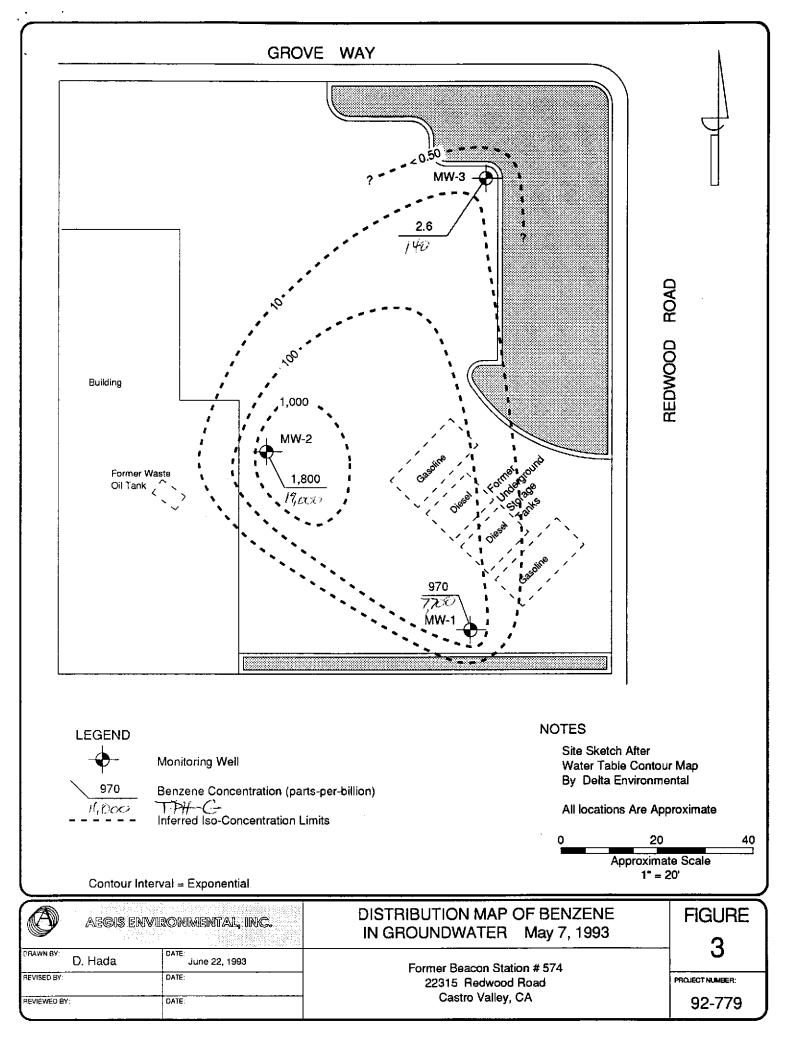


TABLE 1 WATER LEVEL DATA

BEACON STATION #574 22315 REDWOOD ROAD, CASTRO VALLEY, 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	03/27/92	156.55	22.43	134.12	***	
	06/04/92		23.40	133.15		
	09/23/92		24.07	132.48		
	11/12/92		24.16	132.39	29.33	
	02/02/93		21.87	134.68	29.80	
	05/07/93		22.58	133.97	29.84	
MW-2	03/27/92	155.17	20.82	134.35		
	06/04/92		21.81	133.36		
	09/23/92		22.45	132.72		
	11/12/92		22.60	132.57	29.71	
	02/02/93		20.28	134.89	29.73	
	05/07/93		20.97	134.20	29.73	
MW-3	03/27/92	157,13	21.46	135.67		
	06/04/92		22.34	134.79		
	09/23/92		22.84	134.29		
	11/12/92		23.04	134.09	29.55	
	02/02/93		21.03	136.10	29.45	
	05/07/93		21.59	135.54	29.53	

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well

Elevation referenced to mean sea level.

Well Depth = Measurement from top of casing to bottom of well.

= Not measured.

TABLE 2
ANALYTICAL RESULTS: GROUNDWATER

BEACON STATION #574 22315 REDWOOD ROAD, CASTRO VALLEY, CALIFORNIA (All results in parts-per-billion)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons				Aromatic Vo	latile Organics	i
		Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl- benzene	Total Xylenes
MW-1	03/27/92 06/04/92 09/23/92 11/12/92 02/02/93 05/07/93	5,600 2,600 3,400 2,700 8,500 7,700	< 50 < 800 	<50 	760 270 480 5.8 760 970	900 57 430 < 5.0 770 630	230 230 110 140 250 280	1,100 440 550 340 1,200 1,500
MW-2	03/27/92 06/04/92 09/23/92 11/12/92 02/02/93 05/07/93	18,000 14,000 22,000 29,000 24,000 19,000	< 50 < 5,000 	< 50 	2,400 1,900 2,100 2,400 2,700 1,800	2,300 1,700 1,500 860 1,900 1,300	870 580 760 540 590 460	3,300 2,300 2,900 3,500 2,600 2,600
MW-3	03/27/92 06/04/92 09/23/92 11/12/92 02/02/93 05/07/93	160 120 220 230 86 140	< 50 < 50 	<50 	9.2 7.5 8.3 12 2.4 2.6	4.8 2.7 4.3 5.5 0.71 1.2	10 0.5 6.2 7.7 2.7 3.9	23 15 19 19 6.2 8.4

NOTES: < = Below indicated detection limit.

- = Not analyzed.

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,
- 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) 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 "Measured Total Depth" of the well.

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.

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 (DTW) 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 or similar 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 REPORTS AND CHAIN-OF-CUSTODY FORM





May 18, 1993 JUN 0 7 1993 Sample Log 6403

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

Subject: Analytical Results for 3 Water Samples

Identified as: Project # 92-779 (Beacon 574)

Received: 05/11/93

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on May 18, 1993 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.

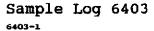
Sample(s) were analyzed using the following method(s):

"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:

Senior Chemist





Sample: MW-1

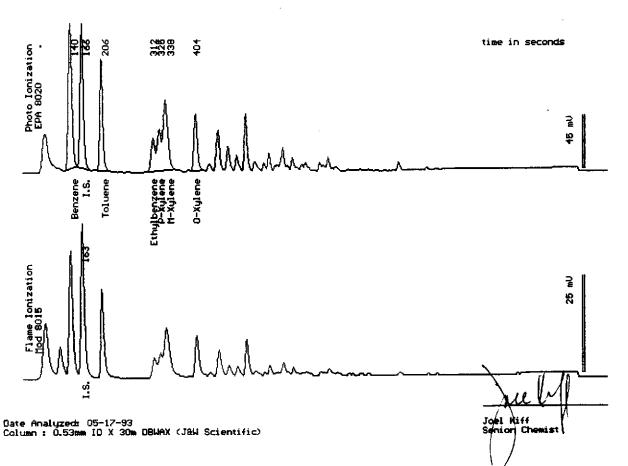
From : Project # 92-779 (Beacon 574)

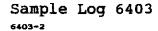
Sampled: 05/07/93

Dilution: 1:50 QC Batch: 4005b

Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene Toluene	(25) (25)	970 630
Ethylbenzene	(25)	280
Total Xylenes	(25)	1500
TPH as Gasoline	(2500)	7700







Sample: MW-2

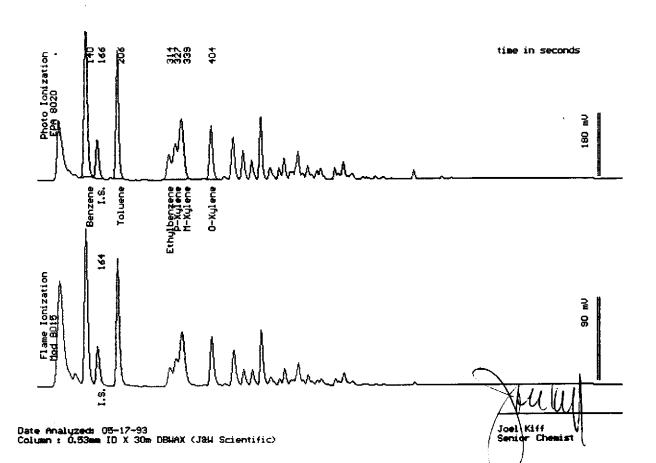
From : Project # 92-779 (Beacon 574)

Sampled: 05/07/93

Dilution: 1:25 QC Batch: 4005b

Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
~		
Benzene	(13)	1800
Toluene	(13)	1300
Ethylbenzene	(13)	460
Total Xylenes	(13)	2600
TPH as Gasoline	(1300)	19000



Western Environmental Science & Technology · 45133 County Road 32B · Davis, CA 95616 · 16753-9500 · FAX: 916 757-4652



Sample: MW-3

From : Project # 92-779 (Beacon 574)

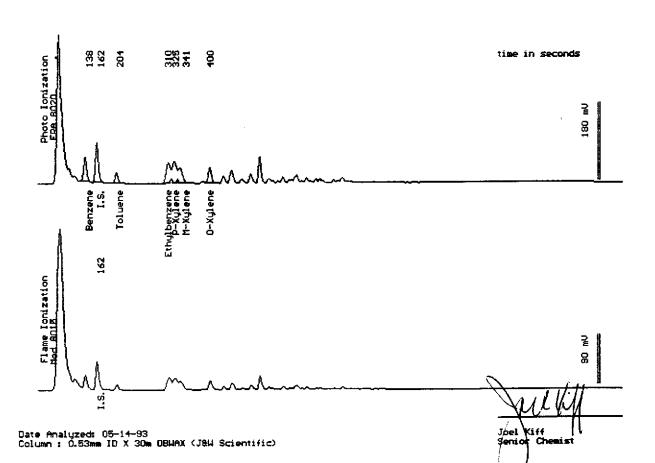
Sampled: 05/07/93

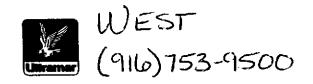
Dilution: 1:1

QC Batch: 4005a

Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	2.6
Toluene	(.50)	1.2
Ethylbenzene	(.50)	3.9
Total Xylenes	(.50)	8.4
TPH as Gasoline	(50)	140





Ultramar Inc.CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print	<u>`</u>			ANALYSE	:0	Date 5-7	Form No	. /
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Project No. 92-779	Sampler (Sign	ature)				of Containers			
Project Location	Affiliation				(diesel)				
CASTRO VALLEY, CA.	AEGIS	EN	IIRO,	_ × š					
Sample No./Identification	Date	Tin	e Lab No.	BTEX TPH (gasoline)	표	S S	REMA	ARKS	
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Report To: SHEILA RICHGELS	(911) 792	-2 Hの	Bill to: ULTRAMA	R INC	EN/m/V			_1	11,1 -
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ATTACHMENT 3 HISTORICAL WATER LEVEL DATA

TABLE 1
WATER LEVEL DATA - FORMER BEACON STATION

FORMER BEACON STATION #574 22315 REDWOOD ROAD, CASTRO VALLEY, CALIFORNIA (Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing) ¹	Depth to Groundwater ¹	Groundwater Elevation ²
MW-1	03/26/91 04/01/91 11/22/91 03/27/92 06/04/92 09/23/92	156.55	22.43 22.37 24.09 22.43 23.40 24.07	134.12 134.18 132.46 134.12 133.15 132.48
MW-2	03/26/91 04/01/91 11/22/91 03/27/92 06/04/92 09/23/92	155.17	20.91 20.82 22.54 20.82 21.81 22.45	134.26 134.35 132.63 134.35 133.36 132.72
MW-3	03/26/91 04/01/91 11/22/91 03/27/92 06/04/92 09/23/92	157.13	21.62 21.55 23.98 21.46 22.34 22.84	135.51 135.58 133.15 135.67 134.79 134.29

NOTES:

Measurement and reference elevation taken from notch/mark on top north side of well casing.

Elevation referenced to mean sea level and obtained from previous consultant.

ATTACHMENT 4 HISTORICAL ANALYTICAL DATA

TABLE 2 ANALYTICAL RESULTS: GROUNDWATER

FORMER BEACON STATION #574 22315 REDWOOD ROAD, CASTRO VALLEY, CALIFORNIA (All results in parts-per-billion)

Sample ID	Date Collected			A	Aromatic Volatile Organics			
A B U L		Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl- benzene	Total Xylenes
MW-1	04/01/91 11/22/91 03/27/92 06/04/92 09/23/92 04/01/91	4,100 5,300 5,600 2,600 3,400	<100 <50 <50 <800	 <50 <50 	340 4.9 760 270 480	570 1,600 900 57 430	76 370 230 230 110	460 2,300 1,100 440 550
	11/22/91 03/27/92 06/04/92 09/23/92	10,000 11,000 18,000 14,000 22,000	<100 <50 <50 <5,000	<50 <50 <	650 51 2,400 1,900 2,100	640 1,900 2,300 1,700 1,500	150 770 870 580 760	960 3,200 3,300 2,300 2,900
MW-3	04/01/91 11/22/91 03/27/92 06/04/92 09/23/92	3,100 470 160 120 220	<100 <50 <50 <50	<50 <50 	41 10 9.2 7.5 8.3	91 6.3 4.8 2.7 4.3	37 11 10 0.5 6.2	420 36 23 15 19

NOTES: Below the indicated detection limits labeled in the analytical laboratory results report. =

AEGIS ENVIRONMENTAL, INC. GROUNDWATER/LIQUID LEVEL DATA

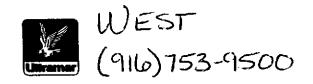
(measurements in feet)

Project Address:	Beacon - 22315 Redwood, Castro Valley - 574	Date:	5 · 7-93
Recorded by:	Tim Sik Ha	Project No.:	92-779

Well No.	Time	Well Elev. TOC	Measured Total Depth	Depth to Gr. Water	Depth to Product	Product Thickness	Comments (TOC/TOB) (product skimmer in well)
MW-1	12:06	156.55	ચ લ.૪૫	22.58			
MW-2	12:05	155.17	29,73	20.97			
MW-3	15,05	157.13	29,53	21.59			

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					<u> </u>		

Notes:



Ultramar Inc.CHAIN OF CUSTODY REPORT

BEACON

Beacon Station No.	Sampler (Print		ANALYSES		:0	Date 5-7	Form No	. /	
574	Steve Osburn				ANALISE			1 01/	
Project No. 92-779	Sampler (Sign	ature)				of Containers			
Project Location	Affiliation				(diesel)				
CASTRO VALLEY, CA.	AEGIS	EN	IIRO,	_ × š					
Sample No./Identification	Date	Tin	e Lab No.	BTEX TPH (gasoline)	표	S S	REMA	ARKS	
mw-I	5-7	1.0	7	$ X\rangle$	\Box]			
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At Shus	5/11/9	11:15							
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signatu	ire/Aff	iliation)	_		Date	Time
(0) (AWILLIA)	Data	T:	Danis 24 (0%)	- A 64 88	1	/		Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signate	r re/A 11	mation)	<i>‡</i>		5/11/13	
Report To: SHEILA RICHGELS	(911) 792	-211D	Bill 10: ULTRAMA	R INC	M/m/V				11,1 -
1050 MELODY LN. #160			ozo west	i i iii tu s	oueet				
ROSEVILLE, CA. 95678	THE TOU	0 10.X	Attention:	A 932	30 KEN	NETI	Y EARN	JEST	
WHITE: Return to Client with Report	YELLOW: Lab	oratory C	opy PINK: Origi	inator	Сору			32-8	003 1/90

	AEGIS ENVIRONIME	TAL, INC. SAMPLING INFORMATION SHEET						
		REDWO VALLE		Weil	Project No: Designation:	92-77 MW-	9 · L	
	Equipment: Sampled with dis	posal bailer:	2" Disposat 2" PVC bail 4" PVC bail	er er		Submersible Dedicated b	=	
	Well Diameter: ge Vol. Multiplier:	2"	3"	_	6"	8" 2.61	gal/ft.	
			Recharge Me Time: Depth to wa			ilated purge: Actual purge:		
Meter Ca Date Time	I	nitial reading Isted reading		E.C.	рН	Turbidity		
Start pur	Time / 2:30	Temp.	E.C.	1:07 pH	Sar Turbidity	npling Date: Volume	<u>5-7</u>	
	went Dr	ete	10 1.1/2	ı <		4		
QC sa	mples collected		appearance:	Cloudy		Lock:	Oulph:	
Equipmen 2" Lockin 4" Lockin	g Cap:	(Check all the	at apply) Note	condition of re Lock #2357: Lock #3753:	placed item.			
Remar	ks: Weter in	155.0	from Lid	1" Ris	er, sust	et oh,		
Signature	Ad	>			Review	ilin		

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AEC	AS ENVIRONME	ntal, inc.		SAMPLING	INFORMATIO	ON SHEET		
Client: Site:	22315	REDWO		Well	Project No: Designation:	92-77 MW-	7 - 2	
Purging Equipment:			2" Disposab 2" PVC baile 4" PVC baile	er		Submersible pump Dedicated bailer		
Sam	pled with dis	posal bailer:		Teflon Bailer:				
	ell Diameter: /ol. Multiplier:		3" 0.367	4" <u> </u>	6"	8" 2.61	gal/ft.	
Initial Measur Time: 12:00 Depth of well Depth to wat	2)	Recharge Me Time: Depth to wa	<u>-</u>		ulated purge: Actual purge:		
Meter Calibra	ation		Temp.	E.C.	рН	Turbidity	1	
Date		nitial reading						
Time	Adj	ısted reading				<u></u>		
Start purge:	12:45	Sa	mpling time:	1718	Sa:	mpling Date:	57	
į	Time	Temp.	E.C.	рН	Turbidity	Volume]	
	12:45	75.0	1.85	6.76		8		
	went duy	after 11g	als.			7		
						7		
QC sampi	es collected		appearance:	Sni de	20	Lock:	3753 1442	
quipment re	placed:	(Check all the	at apply) Note	condition of r	eplaced item.			
2" Locking C 4" Locking C	===			Lock #2357 Lock #3753		REPLACED !	Do Dun la	
Remarks:		box hel		·	ser, gell	·	JOG TONG CC	
i		۸.	ing from u	•			11 601	
· · · · · · · · · · · · · · · · · · ·	a 1 .	mh 379	2 3	NOW . 723	g brain g	119 1349 17	11-39-	
Signature					Review	Wir-		

<u>·</u>										
AEG	HS ENVIRONIME	wal inc		SAMPLING	INFORMATIC	N SHEET				
Client:	BEACE)A) # (574		Project No:	92-77	9			
	22315	REDWO		- Well	Designation:		• 3			
	CASTRO			•	· .					
Purging Equi			2" Disposab	la bailar						
ruiging Equi	pment.		2" PVC baile			Submossible	, output			
			4" PVC baile	= :	Submersible pump Dedicated bailer					
				SI.		. Dedicated b	, uno			
Sam	Sampled with disposal bailer: Teflon Bailer:									
w	ell Diameter:	2"	3"	4"	6"	8"				
Purge \	Vol. Multiplier:		0.367	0.653	1.47	2.61	gal/ft.			
Initial Reserve			Danhara Ma							
Initial Measure Time: 72.3			Recharge Me Time:		Calcu	ilated nurge:	200.1			
Depth of well	11: 29.53		Depth to wa	-	Calculated purge: 205cl					
Depth to war	ter: 31 54		Deptil to wa	rrei	•	rctuai puige.	40 5.1			
				Y			 			
Meter Calibra Date 5 - 3			Temp.	E.C.	pH	Turbidity				
		Initial reading		.00	7.10		ļ			
Time / 2 . 2 .		usted reading		.00	7.00		<u> </u>			
Start purge:	12:25	Sa	mpling time:	<u>/:00</u>	Sai	mpling Date:	<u>5-7</u>			
		 					•			
	Time	Temp.	F.C.	рH	Turbidity	Volume	į			
	19:52	70.0		7.12		7				
	12:32	71.5	1.80	7.08		7				
	10:36	74.3	1.81	7.10		(e	 			
	70.50	- / / - 3	7.97	(17)						
			·							
		Sample	appearance:	Cloudy	•					
QC sampl	les collected	at this well:	N _D			Lock:	delphin			
Eginingsont	-lacade	(Obsole off abo	Al				7			
Equipment re	piaceu:	(Check all the	at apply) Note	condition of re	epiaced item.					
2" Locking C	ap:		_ _	Lock #2357:	·					
4" Locking C	ap:			Lock #3753:		JOSEP TO THE PROPERTY OF THE PARTY OF THE PA				
Remarks: well box with water below TDL, 2" River, busher										
6K. Tol irregular, hox very rusty										
				/						
		<u> </u>								
		,			· · · · · · · · · · · · · · · · · · ·		<u>4.</u>			
Cianatura		\sim	$\langle Q \rangle$		Review	d'n~				
Signature					JEAIGM	UN	·			