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

February 9, 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 Fourth Quarter 1992 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: Fourth Quarter 1992 Groundwater Monitoring Report
Quarterly Status Report

cc w/encl: Mr. Rich Hiett, San Francisco Bay Region, RWQCB

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: February 9, 1993
QUARTER ENDING: December 31, 1992

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 the site. Soil samples were collected from beneath the tanks and analyzed for hydrocarbon constituents. Based on 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 tanks. Soil was overexcavated from beneath the former fuel tanks. Soil samples were collected after the over-excavation and confirmed that the addition excavation was successful.

During March 1991, three ground-water monitoring wells were installed on-site. Laboratory analysis of soil samples obtained from the borings for the installation of the 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 fourth quarter monitoring on November 12, 1992.

RESULT OF QUARTERLY MONITORING:

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

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY	ESTIMATED COMPLETION DATE
First quarter monitoring	February 1993
Install five ground-water monitoring wells	March 1993

AEGIS ENVIRONMENTAL, INC.

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

February 2, 1993

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

Subject: **Fourth Quarter 1992 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 November 12, 1992, at the subject site (Figure 1). The monitoring included measurements of depth to water in and total depths of three wells (MW-1 through MW-3) located on site (Figure 2). Groundwater samples were collected from all three wells.

GROUNDWATER ELEVATIONS

Aegis personnel collected measurements of the depth to groundwater in all three wells prior to purging and sampling on November 12, 1992. Current groundwater level data, and prior 1992 data only, are summarized in Table 1. Previous groundwater level data are included in Attachment 3. All measurements of depth to groundwater were made to the nearest 0.01 foot from the referenced wellhead (top-of-casing) elevations and conducted according to the Aegis standard operating procedures (SOP) included in Attachment 1. On the basis of the November 12, 1992, measurements, groundwater is estimated to flow to the southwest (Figure 2) at an average gradient of approximately 0.02 ft/ft. In general, groundwater levels have decreased slightly compared to the previous quarter.

GROUNDWATER SAMPLING AND ANALYSES

Aegis personnel collected groundwater samples from the three wells on November 12, 1992. The samples were collected according to the Aegis SOP included in Attachment 1, and submitted under chain-of-custody to WEST Labs, a state-certified analytical laboratory. All samples were analyzed for concentrations of: a) total petroleum hydrocarbons, as gasoline, by modified EPA Method 8015; and b) benzene, toluene, ethylbenzene, and total xylenes by EPA Method 602. Current analytical results, and prior 1992 analytical results only, are summarized in Table 2. Figure 3 is a distribution map of benzene in groundwater based on the data summarized in Table 2. The analytical laboratory reports and chain-of-custody form are included as Attachment 2. Previous analytical results are included in Attachment 4. Benzene concentrations increased in well MW-2 and MW-3 compared to the previous quarter.

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 direct supervision of the professional geologist, registered with the State of California, whose signature appears below. If you have any questions or comments, please do not hesitate to call us at (916) 782-2110.

Sincerely,

AEGIS ENVIRONMENTAL, INC.

Sheila R. Richgels
Field Services Coordinator

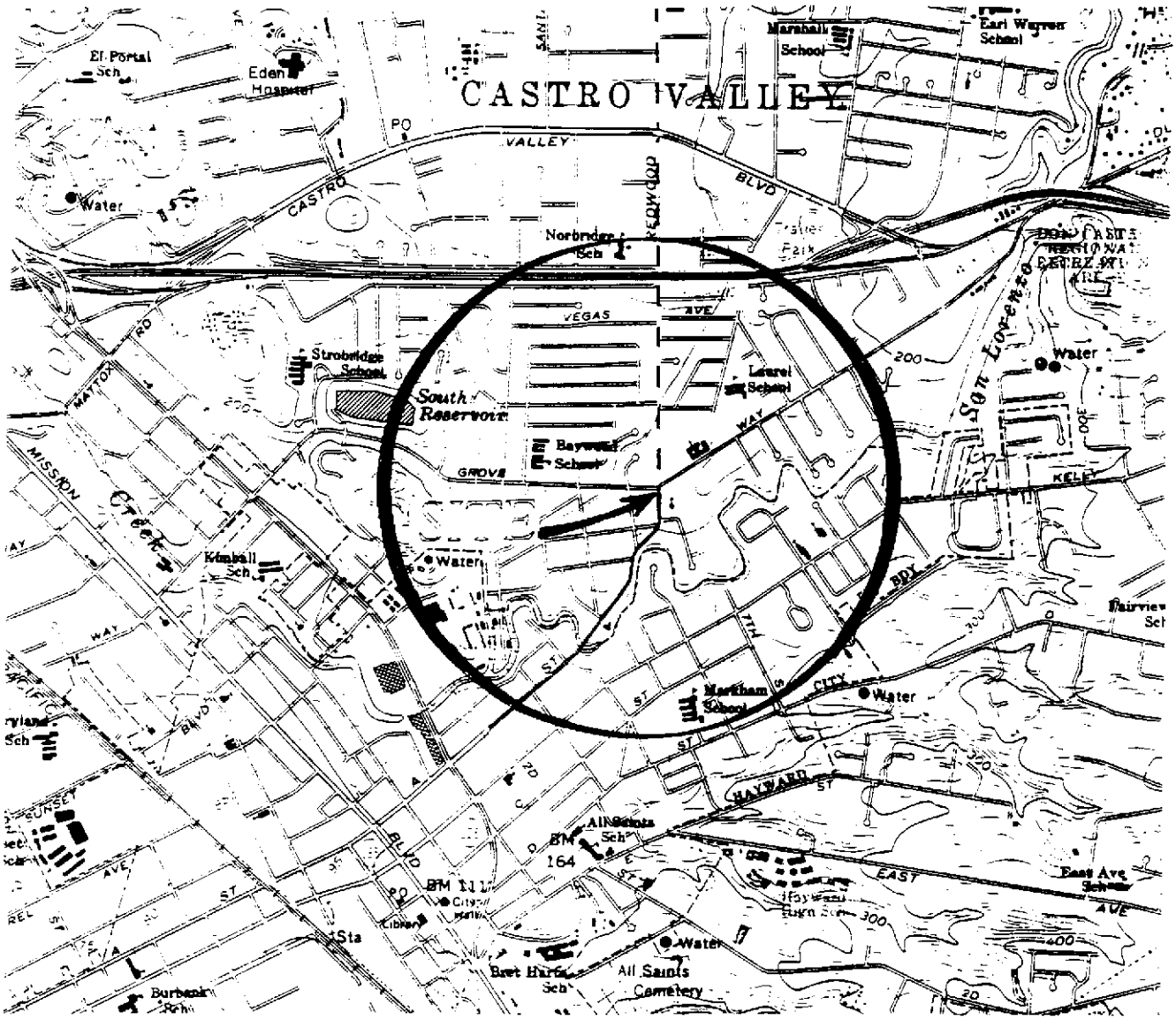
Douglas I. Sheeks
Senior Geologist
CRG No. 5211

REGISTERED GEOLOGIST
DOUGLAS I. SHEEKS
No. 5211
STATE OF CALIFORNIA

2-2-93
Date

SRR/DIS/law

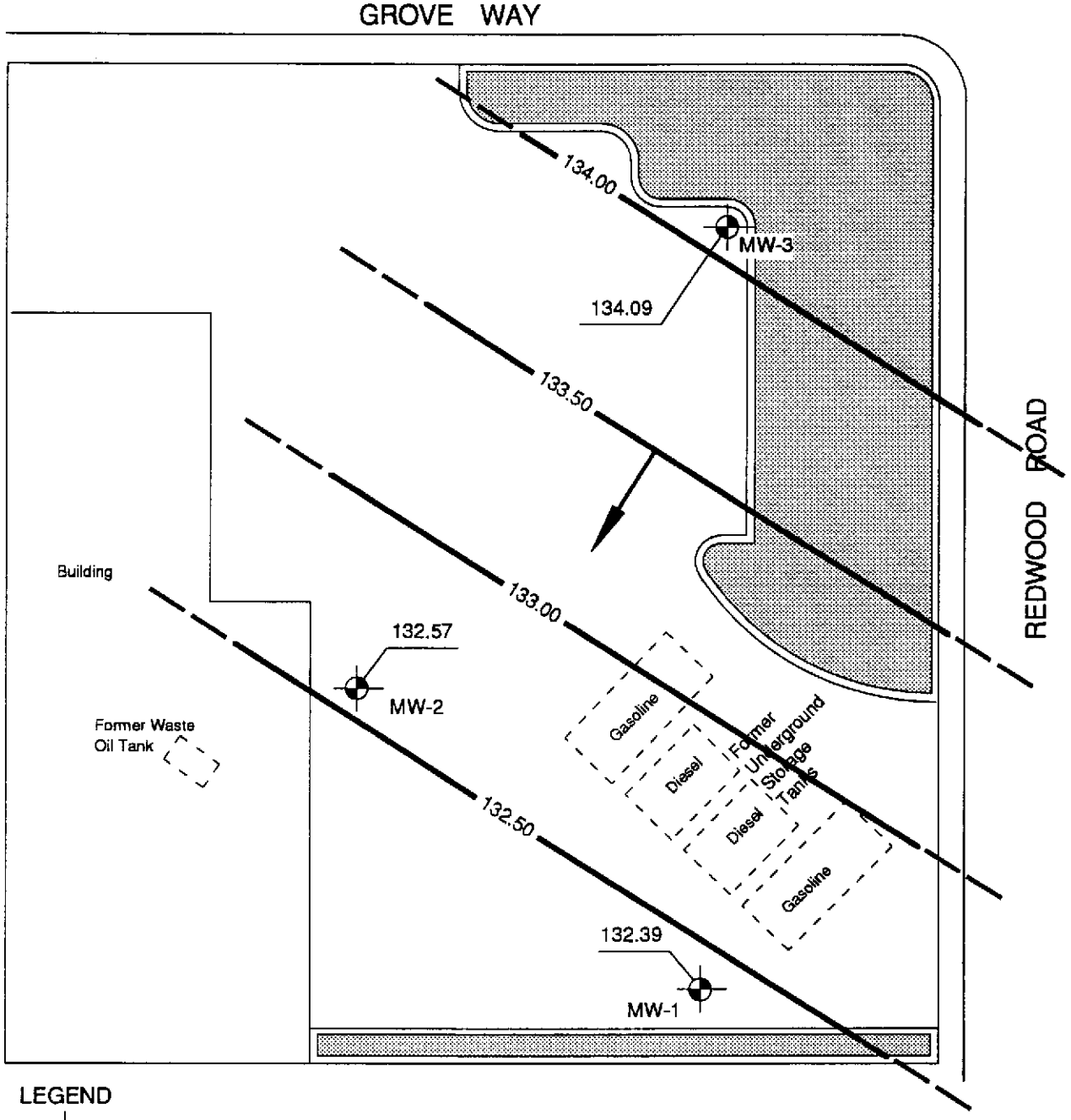
Attachments



GENERAL NOTES:

BASE MAP FROM USGS
7.5 MINUTE TOPOGRAPHIC
HAYWARD, CALIF.

AEGIS ENVIRONMENTAL, INC.		SITE LOCATION MAP	FIGURE 1
DRAWN BY: Ed Berand	DATE: April 13, 1992	Former Beacon Station # 574 22315 Redwood Road Castro Valley, CA	
REVISED BY	DATE:		PROJECT NUMBER: 10-91212
REVIEWED BY: John Giorgi	DATE: April 15, 1992		



LEGEND

Monitoring Well

Potentiometric Surface Contour Line (Dashed Where Inferred)

132.39 Groundwater Elevation in Feet

Estimated Direction of Groundwater Flow

Hydraulic Gradient = 0.02 ft/ft
Contour Interval = 0.5 ft

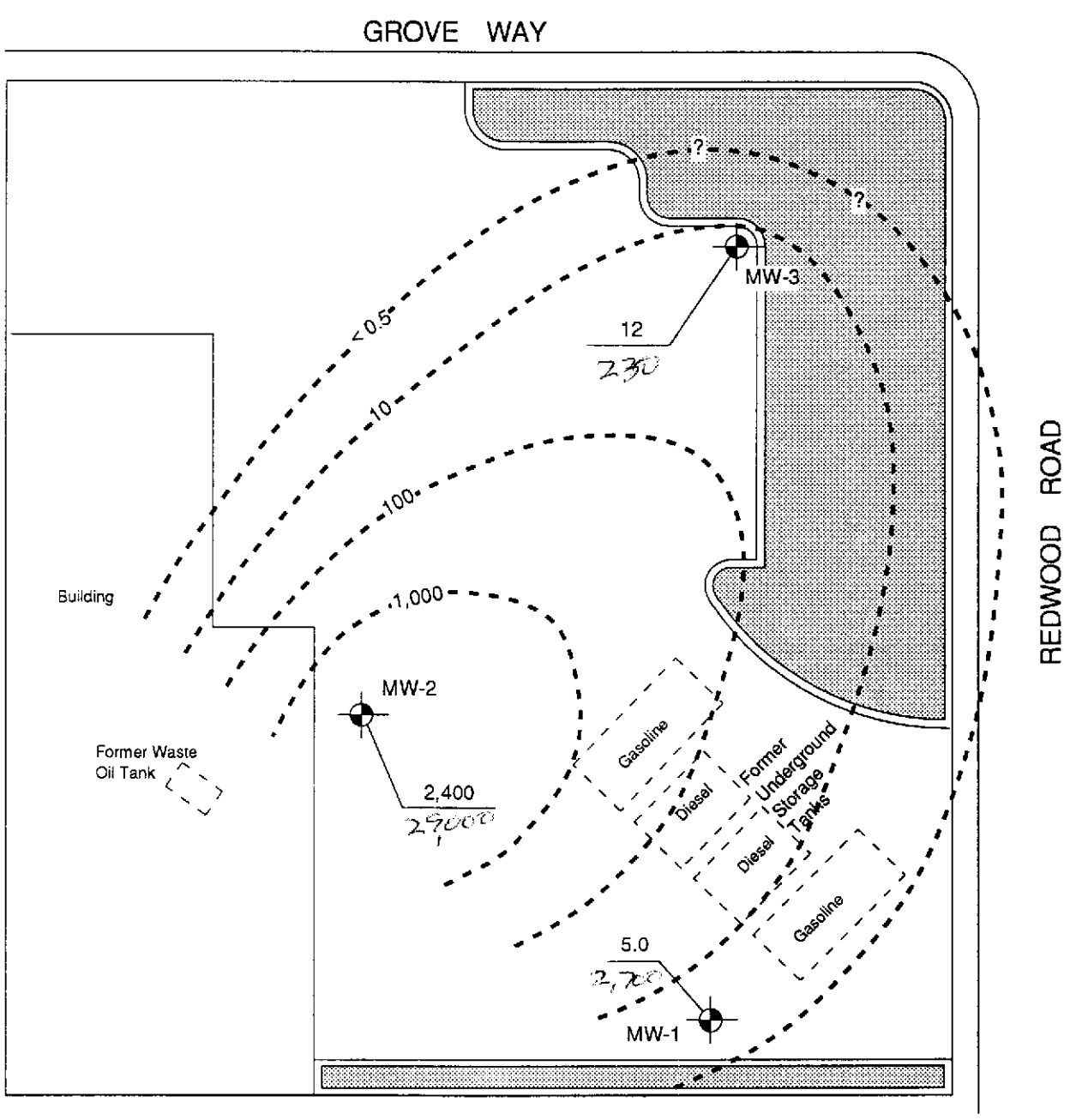
NOTES

Site Sketch After
Water Table Contour Map
By Delta Environmental

All locations Are Approximate

0 20 40
Approximate Scale
1" = 20'

AEGIS ENVIRONMENTAL, INC.		POTENTIOMETRIC SURFACE MAP November 12, 1992	FIGURE 2
DRAWN BY: D. Hada	DATE: December 5, 1992	Former Beacon Station # 574 22315 Redwood Road Castro Valley, CA	
REVISED BY:	DATE:		PROJECT NUMBER: 92-779
REVIEWED BY: DJS	DATE: 12-7-92		



LEGEND

- Monitoring Well
- 2,400 / TPH-G — Benzene Concentration (parts-per-billion)
- Inferred Iso-Concentration Limits
- < 0.5 — Detection Limit

Contour Interval = Exponential

NOTES

Site Sketch After
Water Table Contour Map
By Delta Environmental

All locations Are Approximate

0 20 40
Approximate Scale
1" = 20'

AEGIS ENVIRONMENTAL, INC.		DISTRIBUTION MAP OF BENZENE IN GROUNDWATER November 12, 1992	FIGURE 3
DRAWN BY: D. Hada	DATE: December 5, 1992	Former Beacon Station # 574 22315 Redwood Road Castro Valley, CA	PROJECT NUMBER: 92-779
REVISED BY:	DATE:		
REVIEWED BY: DIS	DATE: 1-26-93		

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
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
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
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

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.

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 Volatile Organics			
		Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	03/27/92	5,600	<50	<50	760	900	230	1,100
	06/04/92	2,600	<800	---	270	57	230	440
	09/23/92	3,400	---	---	480	430	110	550
	11/12/92	2,700	---	---	5.8	<5.0	140	340
MW-2	03/27/92	18,000	<50	<50	2,400	2,300	870	3,300
	06/04/92	14,000	<5,000	---	1,900	1,700	580	2,300
	09/23/92	22,000	---	---	2,100	1,500	760	2,900
	11/12/92	29,000	---	---	2,400	860	540	3,500
MW-3	03/27/92	160	<50	<50	9.2	4.8	10	23
	06/04/92	120	<50	---	7.5	2.7	0.5	15
	09/23/92	220	---	---	8.3	4.3	6.2	19
	11/12/92	230	---	---	12	5.5	7.7	19

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,

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.

ATTACHMENT 2

LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORM

December 10, 1992

To: Sheila Richgels
Aegis Environmental

Re: WEST Sample Log 5402

A labeling error occurred on the samples for Beacon 574, sampling date 11/12/92.

The sample identified as MW3 was assigned the lab identification for MW1. The sample identified as MW3 was assigned the lab identification for MW2. The sample identified as MW2 was assigned the lab identification for MW3.

The following revised copy of WEST Sample Log 5402 is being forwarded to you.

Sorry for the inconvience.

Leslie A. Biddle
Sample Control Officer

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

December 10, 1992
Sample Log 5402

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: 11/18/92

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on December10, 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

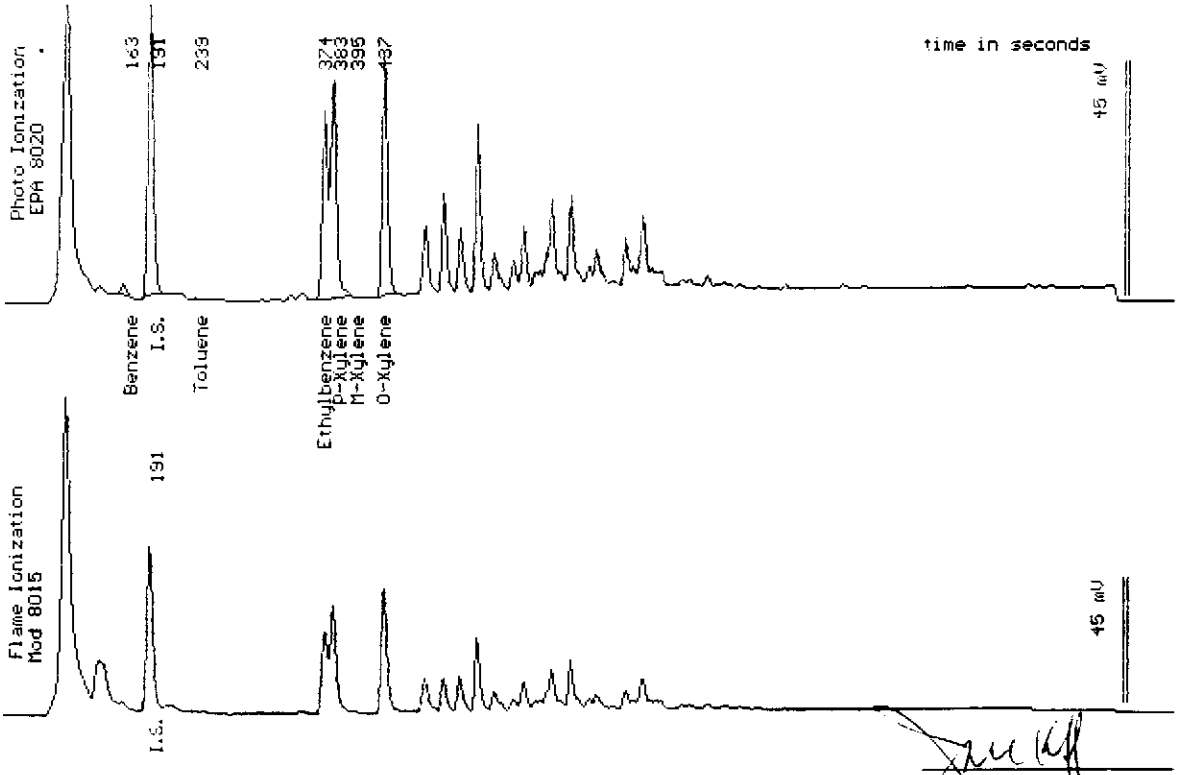
Sample Log 5402

5402-1

Sample: **MW1**

From : Project # 92-779 (Beacon 574)
Sampled : 11/12/92
Dilution : 1:10 QC Batch : 4066g
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(5.0)	5.8
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	140
Total Xylenes	(5.0)	340
TPH as Gasoline	(500)	2700



Date Analyzed: 11-24-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

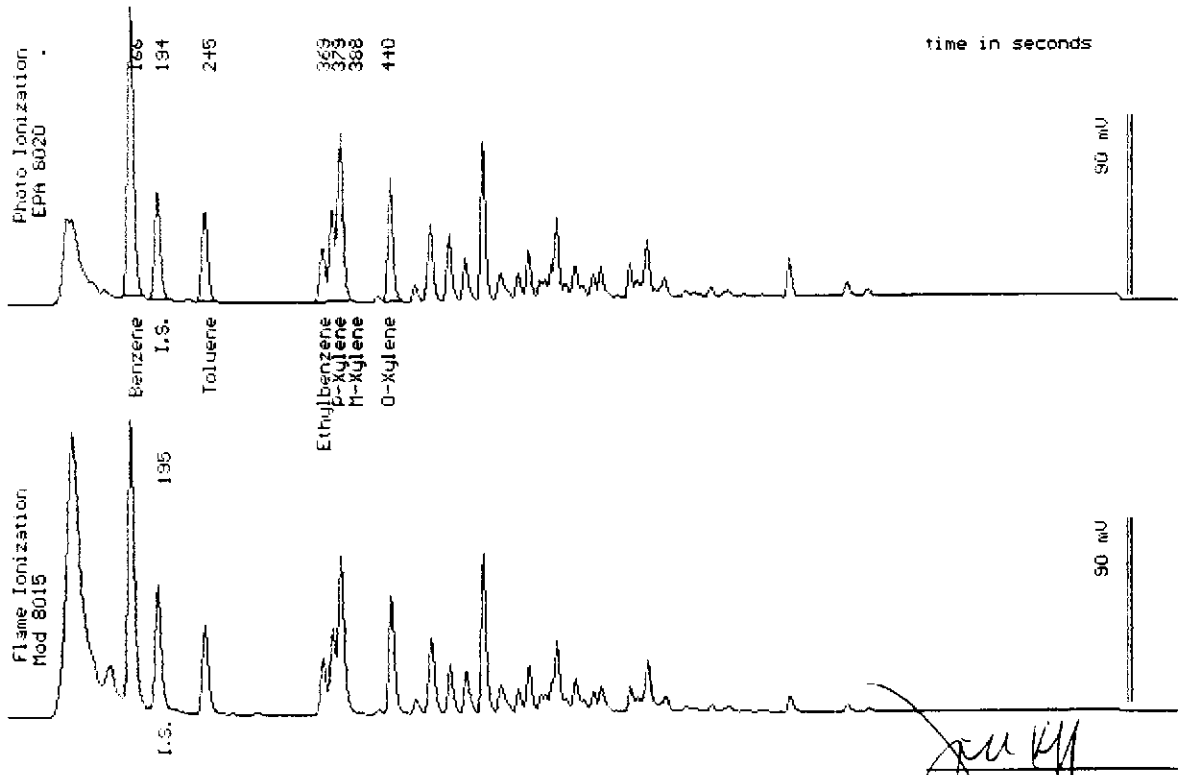
Sample Log 5402

5402-2

Sample: **MW2**

From : Project # 92-779 (Beacon 574)
Sampled : 11/12/92
Dilution : 1:50 QC Batch : 4066g
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(25)	2400
Toluene	(25)	860
Ethylbenzene	(25)	540
Total Xylenes	(25)	3500
TPH as Gasoline	(2500)	29000



Date Analyzed: 11-24-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

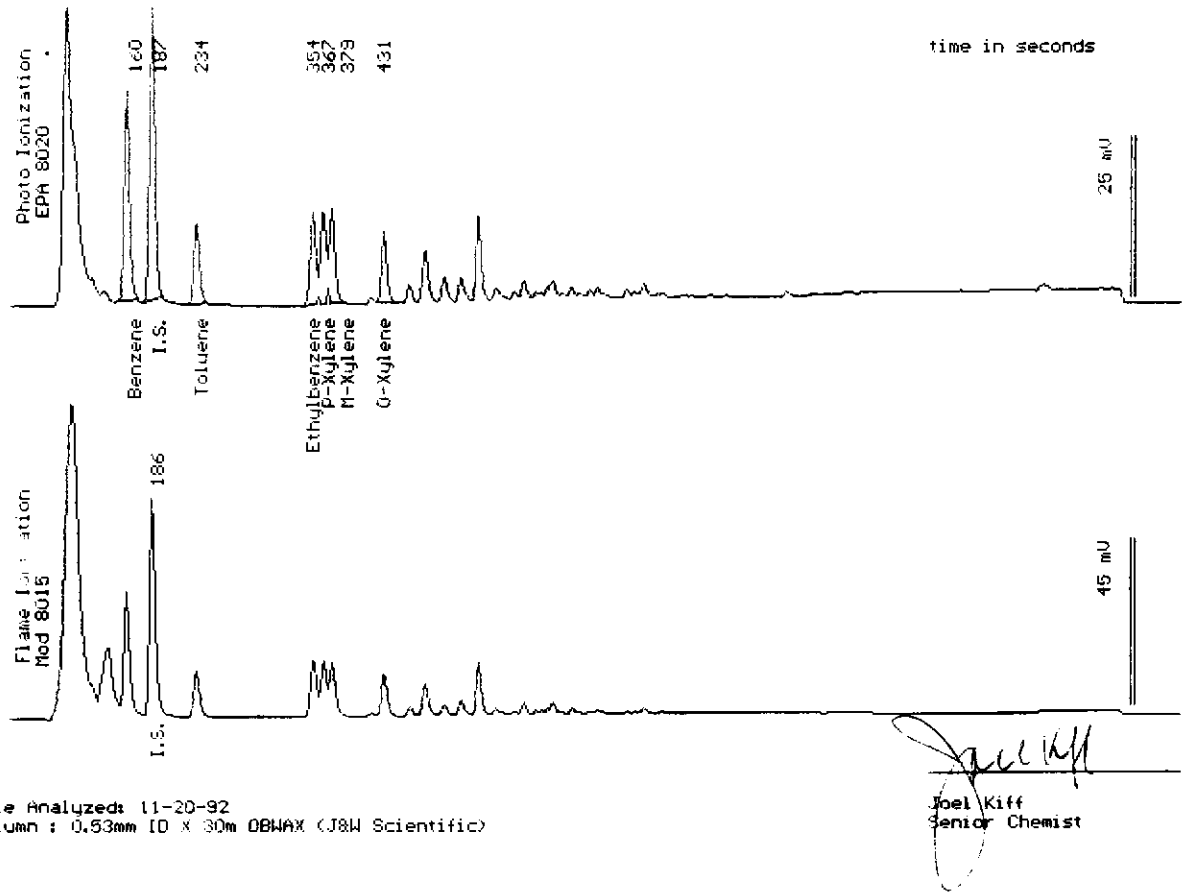
Sample Log 5402

5402-3

Sample: **MW3**

From : Project # 92-779 (Beacon 574)
Sampled : 11/12/92
Dilution : 1:1 QC Batch : 4066bb
Matrix : Water

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(.50)	12
Toluene	(.50)	5.5
Ethylbenzene	(.50)	7.7
Total Xylenes	(.50)	19
TPH as Gasoline	(50)	230



Date Analyzed: 11-20-92
Column : 0.53mm ID X 30m DBWAX (J&W Scientific)

Joel Kiff
Senior Chemist

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	156.55	22.43	134.12
	04/01/91		22.37	134.18
	11/22/91		24.09	132.46
	03/27/92		22.43	134.12
	06/04/92		23.40	133.15
	09/23/92		24.07	132.48
MW-2	03/26/91	155.17	20.91	134.26
	04/01/91		20.82	134.35
	11/22/91		22.54	132.63
	03/27/92		20.82	134.35
	06/04/92		21.81	133.36
	09/23/92		22.45	132.72
MW-3	03/26/91	157.13	21.62	135.51
	04/01/91		21.55	135.58
	11/22/91		23.98	133.15
	03/27/92		21.46	135.67
	06/04/92		22.34	134.79
	09/23/92		22.84	134.29

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = 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	Total Petroleum Hydrocarbons			Aromatic Volatile Organics			
		Gasoline	Diesel	Motor Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	04/01/91	4,100	<100	---	340	570	76	460
	11/22/91	5,300	<50	<50	4.9	1,600	370	2,300
	03/27/92	5,600	<50	<50	760	900	230	1,100
	06/04/92	2,600	<800	---	270	57	230	440
	09/23/92	3,400	---	---	480	430	110	550
MW-2	04/01/91	10,000	<100	---	650	640	150	960
	11/22/91	11,000	<50	<50	51	1,900	770	3,200
	03/27/92	18,000	<50	<50	2,400	2,300	870	3,300
	06/04/92	14,000	<5,000	---	1,900	1,700	580	2,300
	09/23/92	22,000	---	---	2,100	1,500	760	2,900
MW-3	04/01/91	3,100	<100	---	41	91	37	420
	11/22/91	470	<50	<50	10	6.3	11	36
	03/27/92	160	<50	<50	9.2	4.8	10	23
	06/04/92	120	<50	---	7.5	2.7	0.5	15
	09/23/92	220	---	---	8.3	4.3	6.2	19

NOTES: < = Below the indicated detection limits labeled in the analytical laboratory results report.
--- = Not analyzed.

ATTACHMENT 5

FIELD DATA SHEETS

AEGIS ENVIRONMENTAL, INC.
GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet)

Project Address: Beacon - 22315 Redwood, Castro Vlly - 574 Date: 11/12/92

Recorded by: MIKE WISNEY Project No.: 92-779

Well No.	Time	Measured Total Depth	Depth to Gr. Water	Depth to Product	Product Thickness	Comments (TOC/TOB) (product skimmer in well)
MW-1	6:52	29.83	24.10	N/A	N/A	
MW-2	6:55	27.71	22.60	↓	↓	
MW-3	6:49	27.55	23.04	↓	↓	

Notes:

AEGIS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Pecon
Site: 22515 Redwood Rd.

Project No: 92-779
Well Designation: MW1

Purging Equipment: ____ 2" PVC bailer ____ 4" PVC bailer X Submersible pump ____ Dedicated bailer

Sampled with disposal bailer or other: ____
Well recharged to 80% recovery.

Well Diameter:	2" ___	3" ___	4" X	6" ___	8" ___	
Purge Vol. Multiplier:	0.163	0.367	0.653	1.47	2.61	gal/ft.

Depth of well: 29.85
Depth to water: 24.16

Calculated purge: 16gal
Actual purge: 4gal

Start purge: 7:04
Sampling time: 7:10
Sampling Date: 12-15-92

Time	Temp.	E.C.	pH	Turbidity	Volume
7:06	Dry	4 gal			

Sample appearance: Black

QC samples collected at this well: ____

Lock: 3752

Remarks: ____

Signature: Mike Warner
Review: [illegible]

AEGIS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: [illegible]
Site: 22?15 Redwood Rd [illegible]

Project No: 92-779
Well Designation: MW-6

Purging Equipment:

___ 2" PVC bailer
___ 4" PVC bailer
X Submersible pump
___ Dedicated bailer

Sampled with disposal bailer or other: ___
Well recharged to 80% recovery.

Well Diameter:	2" ___	3" ___	4" X	6" ___	8" ___	
Purge Vol. Multiplier:	0.163	0.367	0.653	1.47	2.61	gal/ft.

Depth of well: 29 ft
Depth to water: 22 [illegible]

Calculated purge: 15 gal
Actual purge: 4 gal

Start purge: 7:13
Sampling time: 7:23
Sampling Date: 11-7-92

Time	Temp.	E.C.	pH	Turbidity	Volume
7:15	Dry	@ 4	gal		

Sample appearance: Black

QC samples collected at this well: ——

Lock: 3702

Remarks: ___

Signature: Mike Weeney
Review: [illegible]

AEGIS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Beacon
Site: 22315 Redwood Rd

Project No: 92-779
Well Designation: MW3

Purging Equipment:
___ 2" PVC bailer
___ 4" PVC bailer
✓ Submersible pump
___ Dedicated bailer

Sampled with disposal bailer or other: ______
Well recharged to 80% recovery.

Well Diameter:	2" ___	3" ___	4" ✓	6" ___	8" ___	
Purge Vol. Multiplier:	0.163	0.367	0.653	1.47	2.61	gal/ft.

Depth of well: 29.55
Depth to water: 22.05

Calculated purge: 19
Actual purge: [illegible]

Start purge: 6:50
Sampling time: 6:58
Sampling Date: [illegible]

Time	Temp.	E.C.	pH	Turbidity	Volume
6:55	Dry 6 gal				
	/	/			

Sample appearance: [illegible]

QC samples collected at this well: ______

Lock: 3753

Remarks: ______

Signature: [signature]

Review: [signature]