Ultramar

ALCO HAZMAT

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

93 DEC -9 PM 3: 59

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

December 6, 1993

Mr. Scott Seery Department of Environmental Health Alameda County Health Care Agency 80 Swan Way, Room 200 Oakland, CA 94621

SUBJECT:

BEACON STATION NO. 720, 1088 MARINA BLVD., SAN LEANDRO,

CALIFORNIA

Dear Mr. Seery:

Enclosed is a copy of the quarterly monitoring report for the third quarter 1993 for the above-referenced Ultramar facility. Also included is a copy of the Quarterly Status Report which describes the work completed this quarter and the work anticipated to be completed next quarter.

Please call if you have any questions.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Senior Project Manager

Tenence A. Fox

Marketing Environmental Department

Enclosures

cc w/encl:

Mr. Dale van Dam, AMV

Local Program Coordinator, Alameda County, San Francisco Bay

Region, RWQCB



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: December 6, 1993

QUARTER ENDING: September 30, 1993

SERVICE STATION NO.: 720

ADDRESS: 1088 Marina Blvd., San Leandro, CA

COUNTY: Alameda

ULTRAMAR CONTACT: Terrence A. Fox

TEL. NO: 209-583-5545

BACKGROUND:

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

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

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

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

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed quarterly monitoring on September 22 and October 11, 1993.



Beacon Station 720 Page 2

RESULT OF QUARTERLY MONITORING:

Monitoring data indicates that the benzene concentration increased in MW-1 from 200 ppb to 1,000 ppb and in MW-3 from 120 ppb to 370 ppb. The benzene concentration decreased in MW-2 from 3,300 ppb to 640 ppb, in MW-4 from 16,000 ppb to 6,900 ppb, in MW-5 from 7,900 ppb to 7,600 ppb, and in MW-8 from 580 ppb to 490 ppb. MW-6 and MW-7, which were not sampled last quarter, contained benzene concentrations of not detected and 0.51 ppb, respectively.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

ACTIVITY

ESTIMATED COMPLETION DATE

Continue quarterly monitoring program.

Perform ground-water extraction, vapor extraction, and air-sparging tests.

October 30, 1993

Begin preparing RAP.

Repair MW-6 and MW-7.

October 30, 1993

November 11, 1993

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

Subject:

Third Quarter 1993 Groundwater Monitoring Report

Beacon Station #720

1088 Marina Boulevard, San Leandro, California

Dear Mr. Fox:

Aegis Environmental, Inc. (Aegis), is pleased to provide Ultramar Inc., this report documenting the sales of qualitative provide analysis of free product, and collection of groundwater samples. All field activities pertaining to events in this report were conducted according to Aegis' Standard Operating Procedures included in Attachment 1.

GROUNDWATER ELEVATIONS

Prior to purging, Aegis personnel collected depth-to-water measurements in all wells except MW-6, which was inaccessible. Groundwater level data from March 1992 to date are summarized in Table 1. Previous groundwater level data are included in Attachment 3. On the basis of the current measurements, groundwater levels have decreased an average of 1.3 feet compared to the last monitoring event.

GROUNDWATER SAMPLING AND ANALYSES

Aegis personnel collected groundwater samples from seven wells on September 22, 1993 and one well on October 11, 1993. All samples were analyzed for concentrations of:

- Total petroleum hydrocarbons (TPH), as gasoline, by EPA Method 8015;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) 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 for the current event are included as Attachment 2. Benzene concentrations have decreased in wells MW-2, MW-4, MW-5, and MW-8; and increased in wells MW-1 and MW-3 compared to last monitoring event. Well MW-6 was not sampled during the last event, but samples collected on October 11, 1993 were nondetectable for TPH as gasoline and BTEX. Well MW-7, which was not sampled during the last event, had an increase in benzene concentration compared to the last time this well was sampled. This increase may be attributed to the cracked vault which occurred when the street was repaved with asphalt.

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

Mr. Rafat Shahid Division of Hazardous Materials Alameda County Health Care Services 80 Swan Way, Room 200 Oakland, California 94621 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/engineer, registered with the State of California, whose signature appears below.

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

Sincerely,

AEGIS ENVIRONMENTAL, INC.

Owen M. Kittredge

Project Geologist

E. Paul Hayes

PE No. C49163

Date

OMK/EPH/sm

Attachments

FIGURES:	FIGURE 1 SITE LOCATION MAP
	FIGURE 2 POTENTIOMETRIC SURFACE MAP (SEPTEMBER 22 & OCTOBER 11, 1993)
	FIGURE 3 DISTRIBUTION MAP OF BENZENE IN GROUNDWATER (SEPTEMBER 22 & OCTOBER 11, 1993)
TABLES:	TABLE 1 WATER LEVEL DATA
	TABLE 2 ANALYTICAL RESULTS: GROUNDWATER
ATTACHMENTS:	ATTACHMENT 1 STANDARD OPERATING PROCEDURES
	ATTACHMENT 2 LABORATORY REPORT AND CHAIN-OF-CUSTODY FORM
	ATTACHMENT 3 HISTORICAL WATER LEVEL DATA
	ATTACHMENT 4 HISTORICAL ANALYTICAL DATA
	ATTACHMENT 5 FIELD DATA SHEETS

A Tag

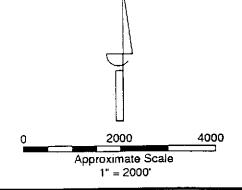
.



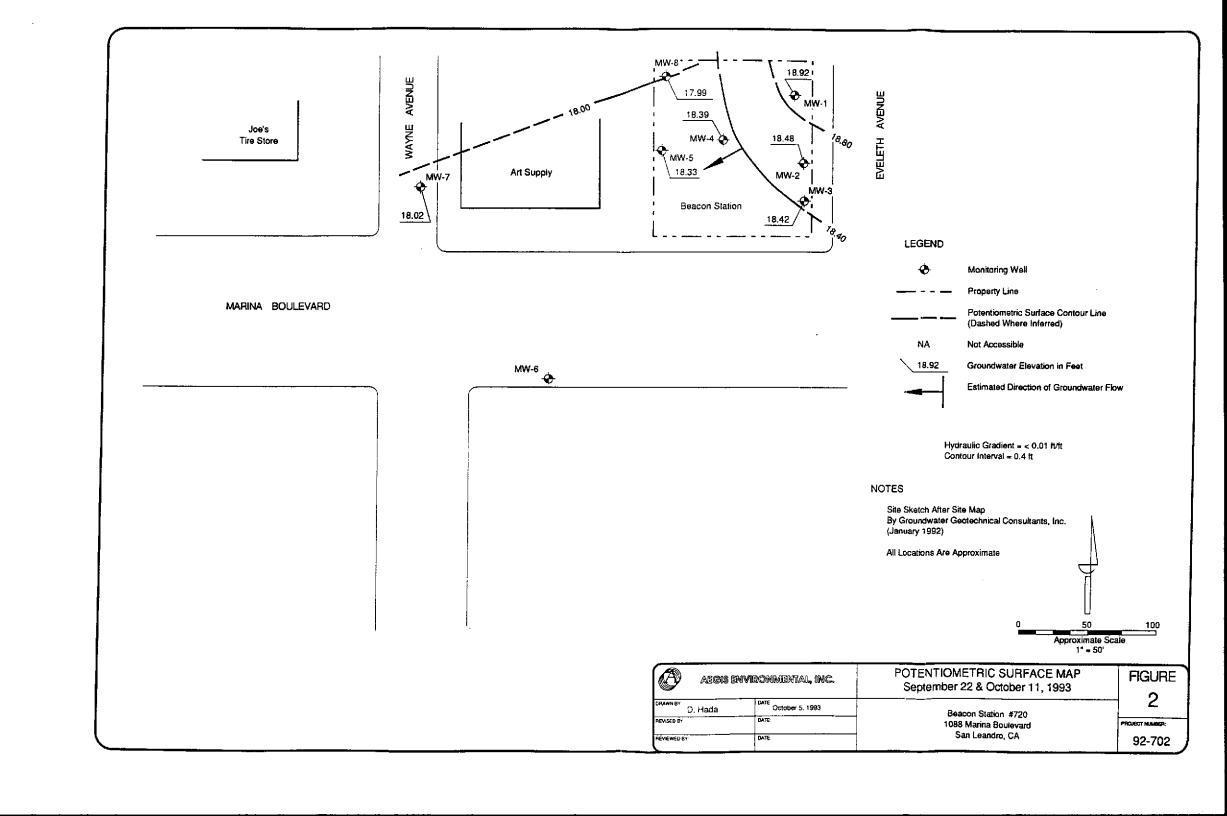


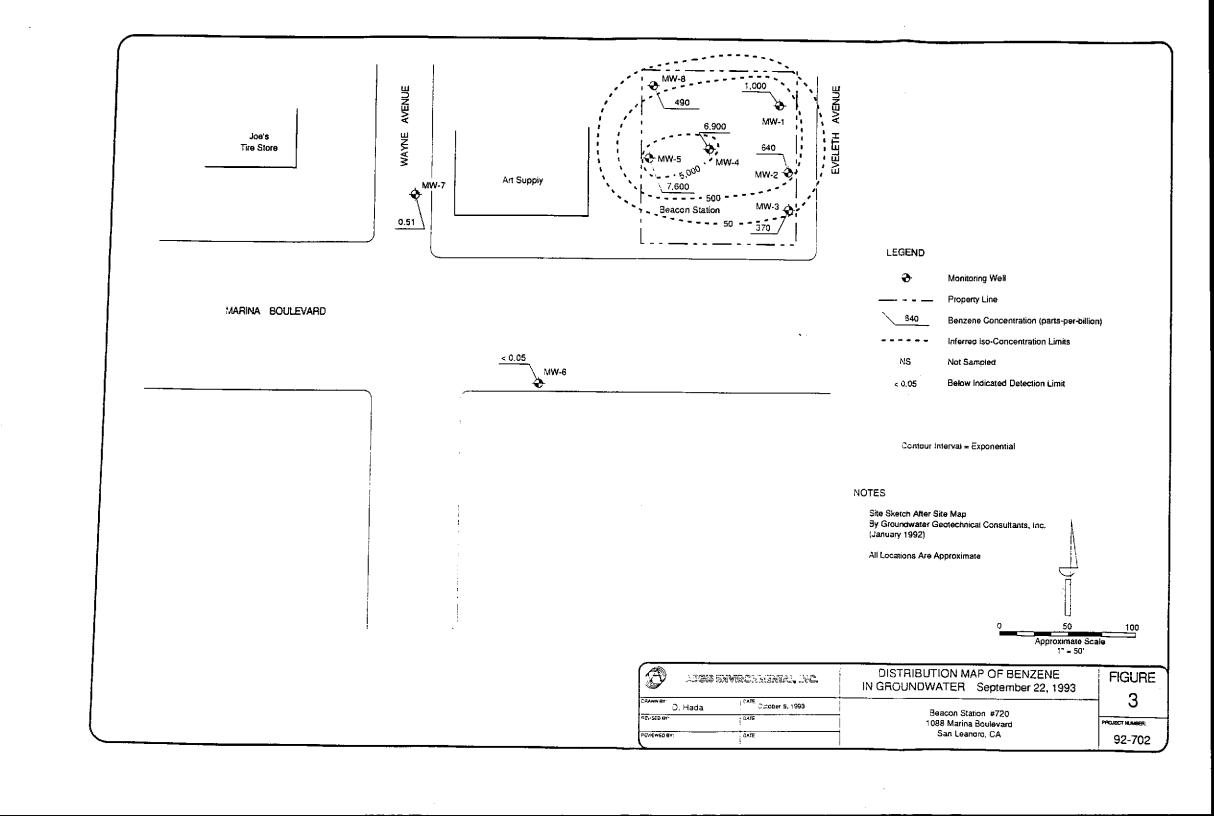
GENERAL NOTES:

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC SAN LEANDRO, CA



A A	egis environmental, inc.	SITE LOCATION MAP	FIGURE
DRAWN BY	CATE:	Beacon #720	
REVISEO BY:	DATE:	1088 Marina Boulevard	PROJECT NUMBER:
REVIEWED BY: DATE:		San Leandro, CA	92-702





WATER LEVEL DATA

BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA (Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing) ¹	Depth to Groundwater ¹	Groundwater Elevation ²	Well Depth	Comments
MW-1	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	33.10	13.58 14.80 16.12 16.34 12.61 13.12 14.18	19.52 18.30 16.98 16.76 20.49 19.98 18.92	 27.76 27.72 27.70 27.73	
MW-2	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	32.80	13.32 14.42 15.78 15.99 12.31 12.97 14.32	19.48 18.38 17.02 16.81 20.49 19.83 18.48	24.56 25.37 25.31 25.34	
MW-3	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	32.30	12.96 14.00 15.36 15.57 11.96 14.12 13.88	19.34 18.30 16.94 16.73 20.34 18.18 18.42	 24.45 24.54 24.50 24.50	
MW-4	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	32.90	13.60 15.72 16.04 16.21 12.70 12.97 14.51	19.30 17.18 16.86 16.69 20.20 19.93 18.39	26.92 27.00 26.88 26.90	
MW-5	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	32.70	13.48 14.58 15.82 16.00 12.40 13.01 14.37	19.22 18.12 16.88 16.70 20.30 19.69 18.33	27.56 27.61 27.61 27.64	



Elevation referenced to mean sea level.

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

Not measured. Well paved over.

Below indicated detection limit.

ND Reported as "nondetect" by previous consultant.

N\$ Not sampled.

WATER LEVEL DATA

BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA (Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing) ¹	Depth to Groundwater ¹	Groundwater Elevation ²	Well Depth	Comments
MW-6	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 10/11/93	30.40	12.62 12.70 13.40 13.59 12.43 —	17.78 17.70 17.00 16.81 17.97 — 17.58	 15.10 15.01 15.10	•
MW-7	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	31.20	12.34 15.54 14.64 14.80 11.36 —	18.86 15.66 16.56 16.40 19.84 — 18.02	25.10 25.02 25.01	•
MW-8	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	33.80	14.66 15.74 17.00 17.01 13.83 13.01 15.81	19.14 18.06 16.80 16.79 19.97 20.79 17.99	29.75 29.88 29.86 24.52	

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.

... = Not measured. = Well paved over.

< = Below indicated detection limit.

NO = Reported as "nondetect" by previous consultant.

NS = Not sampled.

TABLE 2 ANALYTICAL RESULTS: GROUNDWATER

BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA (All results in parts-per-billion)

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

NOTES:

ND NS

=

Reported as "nondetect" by previous consultant.

Not sampled.

ANALYTICAL RESULTS: GROUNDWATER

BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA (All results in parts-per-billion)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics					
		Gasoline	Benzene	Toluene	Ethyl- beпzene	Total Xylenes		
Anne	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 10/11/93	73 ND ND 96 73 NS <50	2.1 ND 0.73 1.5 0.6 NS <0.5	1.1 ND ND <0.5 <0.5 NS <0.5	ND ND ND <0.5 <0.5 NS <0.5	0.6 ND 0.58 0.9 <0.5 NS <0.5		
*	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93	ND ND ND <50 <50 NS <50	ND ND ND <0.5 <0.5 NS	ND ND ND V0.5 V0.5 V	ND ND ND V0.5 V0.5 NS V0.5	ND ND ND V0.5 V0.5 NS		
	03/30/92 07/01/92 09/30/92 11/19/92 02/03/93 05/25/93 09/22/93	3,000 72,000 12,000 9,600 44,000 7,400 2,400	1,700 1,800 680 530 1,500 580 490	880 550 140 310 1,300 160 45	970 520 140 130 490 170 37	1,900 2,200 560 560 2,300 480 140		

NOTES:

ND NS

) =

Reported as "nondetect" by previous consultant.

Not sampled.

ATTACHMENT 1 STANDARD OPERATING PROCEDURES

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 onsite 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.

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:

- Participation in state and federal laboratory accreditation/certification programs;
- Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
- 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.

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.

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 measurement of DTP is recorded. A corrected groundwater elevation for floating hydrocarbons can be calculated by using the following formula:

Corrected groundwater elevation - CDTW = DTW - (SP.G x LHT).

CDTW = Corrected depth to water.

DTW = Measured depth to water.

SP.G = Specific gravity: unweathered gasoline = 0.75; diesel = 0.80

LHT = Measured liquid hydrocarbon thickness.

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 REPORT AND CHAIN-OF-CUSTODY FORM



Analytical Laboratory Report

EPA Methods 8015 Modified / 8020

J3-70-

Date Sampled:

9/22/93

Proj. Mgr:

Sheila Richgels

RECEIVED

Date Received:

9/28/93

Client: Aegis Environmental

.....

TPHg/BTEX Analyzed:

9/28/93 NR Project: Matrix:

Ultramar, Station 720

OCT - 4 1993

TPHd Extracted: TPHd Analyzed:

NR

COC #:

Water NA

Ins'd (= | -= | -= | -= |

Date Reported:

9/29/93

Report #:

309044.rpt

Lab ID No.	Field ID No.	TPHg/BTEX DL Factor	Benzene	Toluene	Ethyl benzene	Xylenes - Total	TPHg	TPHd	
N1560993	MW-1	25	1000	510	850	1100	41000	NR	
N1570993	MW-2	25	640	150	270	2000	8000	NR	
N1580993	MW-3	25	370	71	320	640	10000	NR	
N1590993	MW-4	250	6900	940	150	3000	23000	NR	
N1600993	MW-5	250	7600	2400	1200	8800	52000	NR	
N1620993	MW-7	1	0.51	0.82	ND	0.81	ND	NR	
N1630993	MW-8	5	490	45	37	140	2400	NR	
				į					
<u>·</u>				!					

Detection Limits (DL) 0.5 ug/ 0.5	ag/1 0.5 ug/1	ú.5 ug∙l	50 ug/i	50 ug t

COMMENTS:

NOTES:

NR - Analysis not requested.

COC - Chain of custody

ND - Analytes not detected at, or above the stated detection limit.

TPHg - Fotal petroleum hydrocarbons as gasoline.

"PHd - Total petroleum hydrocarbons as diesei =2.

ingikg - Milligrams per kilogram (PPM).

ugil- Microgram per Litre (PPB).

DL - Detection limit.
DL Factor - Detection Limit Factor

SDL - Specific Detection Limit - Multiply DL by the DL Factor to obtain the detection limit for a specific Field ID No.

PROCEDURES:

BTEX - This analysis was performed in using with EPA Method 8020, and EPA Method 5030.

TPHg - This analysis was performed in using with EPA Method 8015 Mod., and EPA Method 5030.

TPHd - This analysis was performed in using with EPA Method 8015 Mod. and CA State Certified Method.

CERTIFICATION:

California Department of Health-Services ELAP Certificate # 1842

Onsite Environmental Laboratories, 5500 Bosceii Common, Fremont, CA 94539 Tel. (510) 490-8571

Laboratory Representative

For John ferradin

Date

FREMONT , CA.

CHAIN OF CUSTODY REPORT

Beacon Station No.	Sampler (Print N	Sampler (Print Name)					9-23-95 F	orm No.	_
720	Danj	ones			IALYSES	_ _			
Project No.	Sampler (Signal						STAND	ARD	
92-702	11202)	DARY -		عَ ا		Containers	T. A.	T	ļ
Project Location	Alliliation (Δ					1 . 11 .	T (
SAN LEANDED	HEGIS E	WHIR	<u>o. </u>	BTEX TPH (gasoline) TPH (diese!)		اةا			
Sample No /Identification	Date	Time	Lab No.			N N	REMARK		
1	9-22-95	13/10/) 44	XX	1	3		443	
<u> </u>		1060				15	N 157		
<u>mw-Z</u>		·		-		115	N 158		
mw - 3		13115		-	 	1-1	1. 159		
mu - 4		8031)·1	- -		11:,			
MW- 5		1320	٠٨	_		<u> </u>	Nº 160		
		***********				10	INALACCESSIBLE	元	_
mw-6		13.10	N.o.	-1111	1 1 1		N 162	_ \	
mw - 7	_	11,04			╂╼┼╼╂╼╂	1	N/43	4	
mw-8	0-85-62	1139	an l			<u> </u>	1 1 1 1 2 3	Date	Time
[Ratinguished by: (Signature/Affiliation) /	Date,	Luck	Received by: (Signatu	re/Ailmai	(ION)				1540
$\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \left$	(-	3, 6	Received by: (Signal)	log	ion)	1 1 1		Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Heceived by: (Signall	noiringa A L	11011) ₅ 2.	& U			906N
Michael Voyt	9-125	1800	Roberto Or Received by: (Signal	rolAffilia	€C¹ tion)			Date	Time
Reinquished by: (Signature/Amiliation)	Date	Time	несемии пу. (окрнам	n et vitina	(IOII)				
Const To	9112/	I	Bill to: ULTRAMA	R INC.				. I	
REPORT TO: SHEILA RICHGELS	916/78Z-Z	110	525 West						
\$ 1050 MELODY LU. FILE		830	Hanford, C Attention:	M 30230	75	ery	Fox		
RUSEVILLE, CA. 95678						·			203 1/94
WilliTE: Return to Client with Report	YELLOW: Lab	oratory C	ору гаміс Опд	midioi Or	ואי				



Analytical Laboratory Report EPA Methods 8015 Modified / 8020

Cp-709_

RECEIVED

Date Sampled:

10/11/93

Proj. Mgr:

Sheila Richgels

เดง 🧸 😘

Date Received: TPHg/BTEX Analyzed: 10/18/93 10/19/93 Client: Aegis Environmental
Project: Ultramar, Station 720

And CF/SRR

TPHd Extracted:

NR

Matrix:

Water

TPHd Analyzed:

NR

COC #: 1

NA

Date Reported:

10/20/93

Report #: 3

310037.rpt

Lab ID No.	Field ID No.	TPHg/BTEX DL Factor	Benzene	Toluene	Ethyl benzene	Xylenes Total	TPHg	TPHd	
\$8151093	MW-6	1	ND	ND	ND	ND	ND	NR	
		-							
								-	

Detection Limits (DL)	0.5 ug/l	0.5 ug/l	0.5 ug/i	0.5 ug/l	50 ug/l	50 ug/l

COMMENTS:

NOTES:

NR - Analysis not requested.

COC - Chain of custody

ND - Analytes not detected at, or above the stated detection limit.

TPHg - Total petroleum hydrocarbons as gasoline.

TPHd - Total petroleum hydrocarbons as diesel #2.

mg/kg - Milligrams per kilogram (PPM).

ug/l- Microgram per Litre (PPB).

DL - Detection limit.

DL Factor - Detection Limit Factor

SDL - Specific Detection Limit - Multiply DL by the DL Factor to obtain the detection limit for a specific Field ID No.

PROCEDURES:

BTEX - This analysis was performed in using with EPA Method 8020, and EPA Method 5030.

TPHg - This analysis was performed in using with EPA Method 8015 Mod., and EPA Method 5030.

TPHd - This analysis was performed in using with EPA Method 8015 Mod. and CA State Certified Method.

CERTIFICATION:

California Department of Health Services ELAP Certificate # 1774

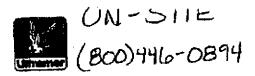
Onsite Environmental Laboratories, 856 South Lime Street, Anaheim, CA 92805 (714) 533-3322

aboratory Representative

Ton H Jana

Date

· Printed on recycled paper.



Untramar Inc. CHAIN OF CUSTODY REPORT

BEACON

Charles No.	Sampler (Print)	Vame)		· · · · · · · · · · · · · · · · · · ·	Γ						Γ	Date	Form No.	
Beacon Station No. 720		Osbo	ra		-	7	<u> </u>	Y	SE	9	+	10-11-93	ot /	
Project No. 92-702	Sampler, Signa		>			<u> </u>					of Containors	STA	ANDARD) -
Project Location	Affiliation						8	}			1	7	AT	
SAN LEANDRO	AEGIS 6	ENNI	RONI	MENTAL	$ _{\times} $	8	5							
Sample No /Identification	Date	Tin	10	Lab No.	ВТЁХ		=	1	L		1		MARKS	
mw-le	10-11-92	1.3	اہ	· · ·	X	XI		L		Ц	- 3	3		
TIW &		······································			П						İ			·
		 .			T	-	1	┪	1		1			
					+	\dashv	╅	╁	╁╌	╂╌╁	\dagger	 		
·				<u></u>	- -	-	4	_	╀-	╀╌╂	-	<u> </u>	<u></u>	<u></u>
											Ì	•		
					╁	H	1	1	1	T				
		, <u>. </u>			+			\dagger	╁	Ħ	1			
Relinquished by: (Signature/Affiliation)	Date Date	Time	Receive	ed by: (Signatur	1/2					L.		fly	Date	Time 5345
Relinquished by: (Signature/Affiliation)	Date	Time	Receive	ed by: (Signatu	A A	jui	atic	ภา)					Date	Tinete
A COLUMN	Date	Time	Receive	ed by: (Signatu	re/A	ffili	atio	on)	~-				Date	Time
Relinquished by: (Signature/Affiliation)	Dette	, and	10000											<u> </u>
Report To: SHEILA RICHGELS	916/78Z-Z	110	Bill to:	ULTRAMA 525 West T			ree	n 1						
1050 MELODY LN. #160	Fax 7867	830		Hanford, C. Attention:	A 9:	323	0			<u>ee</u>	Y	Fox		
ROSEVILLE CA. 95678 WHITE: Return to Client with Report	YELLOW; Lab	oratory (Сору	PINK: Origi	nato	or C)op	У					30-	MOE 1/80

ATTACHMENT 3 HISTORICAL WATER LEVEL DATA

GROUNDWATER ELEVATIONS Page 1 of 5

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

GROUNDWATER ELEVATIONS Page 2 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
July 06, 1987	14.63	14.94
August 06, 1987	14.95	14.62
November 04, 1987	15.45	14.12
February 02, 1988	13.74	15.83
May 02. 1988	14.63	14.94
November 21, 1988	12.99	16.58
February 14, 1989	15.66	13.91
May 02, 1989	14.56	15.01
August 10. 1989	16.22	13.35
November 08, 1989	16.19	13.38
February 20, 1990	15.34	14.23
May 18, 1990	16.20	13.37
September 15, 1990	16.42	13.05
November 26, 1990	16.83	12.74
February 07, 1991	16.13	13.44
May 14. 1991	14,62	14.95
August 16, 1991	16.00	13.57
Groundwater Monitoring Well MW-2:	New Elevation of	Top of Casing = 32.80 feet
December 24, 1991	16.90	15.90
March 30, 1992	13.32	19.48
Groundwater Monitoring Well MW-3:	Elevation of	Top of Casing = 29,13 feet
June 23. 1987	14.13	15.00
July 06, 1987	14.24	, 14.89
August 06, 1987	14.52	14.61
November 04, 19887	15.09	14.04
February 02, 1988	13.37	15.76

GROUNDWATER ELEVATIONS Page 3 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
May 02. 1988	14.22	14.91
November 21, 1988	13.01	16.12
February 14, 1989	15.22	13.91
May 02, 1989	14.16	14.97
August 10. 1989	15.61	13.52
November 08, 1989	15.75	13.38
February 20, 1990	14.95	14.18
May 18, 1990	15.79	13.34
September 15, 1990	16.07	13.06
November 26, 1990	16.36	12.77
February 07, 1991	15.74	13,39
May 14, 1991	14.19	14.94
August 16, 1991	15.55	13.58
Groundwater Monitoring Well MW-3:	New Elevation of	Top of Casing = 32,30 feet
December 24, 1991	16.40	15.90
March 30, 1992	12.96	19,34
Groundwater Monitoring Well MW-4:	Elevation of	Top of Casing = 29.72 feet
June 23, 1987	14.77	14.95
July 06, 1987	14.91	14.81
August 06, 1987	15.19	14.53
November 04, 1987	15.72	14.00
February 02. 1088	14.03	15.69
May 02, 1988	14.89	14.83
November 21, 1988	12.88	16.84
February 14, 1989	15.83	13.89
May 02, 1989	14.75	14.97

TABLE 1
GROUNDWATER ELEVATIONS
Page 4 of 5

Date Sampled	Depth to Groundwater (Feet)	Groundwater Elevation (Feet)
August 10, 1989	16.30	13.42
November 08, 1989	16.29	13.43
February 20, 1990-	15.62	14.10
May 18, 1990	16.34	13.38
September 15, 1990	16.79	12.93
November 26, 1990	17.08	12.64
February 07, 1991	16.37	13.35
May 14. 1991	14.87	14.85
August 16, 1991	16.25	13.47
Groundwater Monitoring Well MW-4:	New Elevation of	Top of Casing = 32.90 feet
December 24, 1991	17.10	15.80
March 30, 1992	13.60	19.30
Groundwater Monitoring Well MW-5:	Elevation of	Top of Casing = 29.55 feet
June 23. 1987	14.63	14.92
July 06. 1987	14.79	14.76
August 06, 1987	15.07	14.48
November 04, 1987	75.61	13.94
February 02, 1988	13.84	15.71
May 02, 1988	14.77	14.78
November 21, 1988	12.84	16.71
February 14, 1989	15.72	13.83
May 02. 1989	14.68	14.87
August 10, 1989	16.03	.13.52
November 08, 1989	16.33	13.22
February 20, 1990	15.44	14.11

GROUNDWATER ELEVATIONS Page 5 of 5

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

- All elevations surveyed to an arbitrary datum
 Elevations and depths are given in feet
- 2)
- 3)
- Groundwater Technology, Inc., made measurements until February 1989

 Du Pont Environmental Services collected samples from February 1989 through February 1991

 Environmental Geotechnical Consultants, Inc., made measurements beginning in May 1991 4)
- 5)

ATTACHMENT 4 HISTORICAL ANALYTICAL DATA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 1 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	TPH-G (µg/L)	Comments
MW-1	Apr. 16, 1987	2,313	3,770	664.1	3.331	17,276	
	June 23, 1987	1,887	2,141	466.7	1,652	26.027	
	July 06, 1987	778.2	943.7	133.2	422.1	3,938	
	Aug. 06, 1987	1,270	1,576	288.7	873.7	6,079	
	Nov. 04, 1987	1,700	4.000	720	2,200	15,000	
	Feb. 02, 1988	1,500	1,70 0	230	740	14,000	
	May 02, 1988	3,500	700	4.900	2,700	33,000	
	Nov. 21, 1988	2.200	560	2,800	2,200	15,000	
	Feb. 14, 1989	1,700	1,700	340	1,500	12,000	Odor
	May 02, 1989	1,500	2.400	510	2,400	18,000	Odor, Slight Sheen
-	Aug. 10, 1989	1,400	1,500	360	1,600	10,000	Odor
	Nov. 08. 1989	920	470	190	360	7,200	Odor
	Feb. 20, 1990	810	540	270	800	3,300	
	May 18, 1990	1,900	500	560	1,600	5,600	
	Sep. 15, 1990	320	110	150	520	5.200	Odor
	Nov. 26. 1990	370	59	150	370	3,000	Odor
	Feb. 07, 1991	750	570	480	1.800	14,000	
	May 14, 1991	1,000	1,400	60 0	2.500	41,000	
	Aug. 16, 1991	310	210	150	480	4,000	Odor
	Dec. 24, 1991	530	95	310	680	11,000	Moderate Odor
	Mar. 30, 1992	630	550	540	1,900	27,000	Odor
/W-2	Apr. 16, 1987	3,131	4,239	1,067	4,608	17,920	
	June 23, 1987	2,188	2.622	1.047	4,699	49,354	
	July 06, 1987	1,575	1,729	457	1,702	8,676	
	Aug. 06, 1987	2,623	3.722	702	2,882	14,376	
	Nov. 04, 1987	2.200	4.100	900	3,500	19,000	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 2 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xytenes (μg/L)	TPH-G (µg/L)	Comments
MW-2	Feb. 02, 1988	6.200	6.500	1.000	4.000	54.000	
	May 02. 1988	6,800	1.300	7.100	5,400	53,000	
	Nov. 21, 1988						Free product
	Féb. 14, 1989	6,900	4,300	1,100	5,200	48.000	Film of free product
	May 02, 1989	6,100	8,800	2,100	16.000	111,000	Odor, sheen
	Aug. 10, 1989	4.200	2.90 0	1,000	5. 800	39,000	Odor, sheen
	Nov. 08. 1989	3,700	1,500	740	2.200	45.000	Odor, heavy sheen
	Feb. 20. 1990	5,000	8.200	1,600	11,000	60,000	
	May 18, 1990	6.200	1,900	1,300	610	19.000	
	Sep. 15, 1990	1,400	820	6 60	000,8	27,000	Odor, sheen
	Nov. 26. 1990	1,100	880	700	3.800	28.000	Odor, sheen
	Feb. 07, 1991	2,100	1,900	1,300	6,200	63,000	Odor, sheen
	May 14, 1991	2.200	2.700	1,100	5,900	100,000	Moderate odor Slight sheen
	Aug. 16, 1991	1800	950	990	3900	32,000	Slight odor, sheen
	Dec. 24. 1991	1,100	550	750	2.700	30,000	Odor, sheen
	Mar. 30. 1992	2,300	1,700	940	3,300	52.000	Odor, sheen
MW-3	Apr. 16, 1987	1,371	2,438	472.3	2.617	9,967	
	June 23, 1987	646.2	822.9	320.9	1.280	16,824	
	July 06, 1987	340.3	384.2	116.5	420.2	3.395	
	Aug. 06. 1987	441.9	436.3	118.2	417.3	3,107	
	Nov. 04, 1987	320	280	74	250	2,600	
	Feb. 02, 1988	2.200	2.300	500	2.300	44,000	
	May 02, 1988	1,600	450	840	1,700	14,000	
	Nov. 21, 1988	1,200	220	560	810	8,100	
	Feb. 14, 1989	1,500	220	220	500	5.500	Odor

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 3 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xyienes (μg/L)	TPH-G (µg/L)	Comments
	Aug. 10, 1989	750	10	190	210	2,700	Odor
	Nov. 08, 1989	370	90	ND	58	2,400	Odor
	Feb. 20, 1990	1,200	810	77	460	3,700	
	May 18, 1990	980	ND	330	250	2,300	
	Sep. 15, 1990	240	36	150	230	4,700	Odor
	Nov. 26, 1990	170	3.4	86	120	1,400	Odor
	Feb. 07, 1991	220	20	120	230	2,900	
	May 14, 1991	370	39	220	820	15,000	
	Aug. 16, 1991	480	50	360	680	7,200	Slight Odor
	Dec. 24, 1991	150	20	100	140	4,900	Slight Odor
	Mar. 30, 1992	560	50	630	980	21,000	Odor
MW-4	Apr. 16, 1987	5,896	3.797	893.9	4,106	19,309	
	June 23, 1987	4,030	1.842	850.0	3,254	31,429	
	July 06, 1987	2,710	1.247	308.2	1,312	8,117	
	Aug. 06, 1987	3,992	1,589	447.9	1,611	10,464	,
	Nov. 04, 1987	9,500	17,000	2,800	11,000	55,000	
	Feb. 02, 1988	11,000	7,400	1,400	6.200	47,000	
	May 02, 1988	9,200	1,300	6,100	6,400	58,000	
	Nov. 21, 1988	5,700	1.600	3,100	7,600	48,000	
	Feb. 14, 1989	8,700	2,500	900	3,800	29,000	Odor & sheen
	May 02, 1989	4,800	5.600	1,800	8,800	69.000	Odor, slight sheen
	Aug. 10, 1989	15,000	6,600	1,800	12,000	67,000	Odor, slight sheen
·	Nov. 08, 1989	11,000	3.200	1,100	4,400	71,000	Odor, slight sheen
	Feb. 20, 1990	8,100	4.500	930	3,500	19,000	
	May 18, 1990	45.000	12,000	5,000	27,000	100,000	
	Sep. 15, 1990	4.200	1,200	740	3.000	38.000	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 4 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyi- benzene (µg/L)	Xylenes (μg/L)	TPH-G (µg/L)	Comments
MW-4	Nov. 26. 1990	2,800	650	810	2.600	19,000	Odor
	Feb. 07, 1991	4,600	1,100	1,600	4,600	41.000	Odor, sheen
	May 14, 1991	7,300	830	3,900	3.600	100,000	Slight odor, sheen
	Aug. 16, 1991	8,000	2,500	1,100	4,000	45,000	Strong odor, sheen
	Dec. 24, 1991	6,000	1.200	1,100	3,700	79.000	Odor, sheen
	Mar. 30, 1992	000,8	4,400	730	2,500	76,000	Odor, sheen
MW-5	Apr. 16 1987	2.267	921.2	3.277	4.536	17.733	
	June 23, 1987	2,239	516.8	953.9	1,587	19,555	
	July 06, 1987	1,335	313.7	799.2	923.9	5,631	
	Aug. 06. 1987	1,890	881.2	576.8	93.4	6,450	
	Nov. 04, 1987	1,300	500	270	640	4,600	
	Feb. 02, 1988	3,100	1.500	550	1,400	24,000	
	May 02, 1988	4,400	490	1,200	1,500	17,000	
	Nov. 21, 1988	5,600	590	870	2,200	19,000	
	Feb. 14, 1989	4,300	810	410	1,300	13,000	Odor
	May 02, 1989	2,900	1,500	690	3,200	24.000	Odor, slight sheen
	Aug. 10. 1989	6.700	2.300	860	4.700	36.000	Odor, slight sheen
	Nov. 08, 1989	5,300	960	460	600	30,000	Odor
	Feb. 20. 1990	1,700	220	120	370	3,400	
	May 18, 1990	18,000	2,000	1,500	5,600	24,000	
	Sep. 15, 1990	2,600	2.200	1,00 0	4,900	42,000	Odor, sheen
	Nov. 26, 1990	1,900	280	260	800	8,500	Odor, sheen

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 5 of 5

Well No.	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	TPH-G (µg/L)	Comments
	Feb. 07, 1991	1,500	1,200	610	2,700	24,000	Odor
<u></u>	May 14, 1991	3,800	4,400	1,40 0	6,400	120,000	Odor, sheen
	Aug. 16, 1991	4,200	1,900	760	2,900	29,000	Moderate odor. sheen
	Dec. 24, 1991	3,900	1,500	880	3,200	63,000	Odor, sheen
	Mar. 30, 1992	2,600	9 80	3 90	1,100	29,000	Odor, sheen
MW-6	Dec. 24, 1991	ND	ΝD	ND	ИD	79	
	Mar. 30, 1992	2.1	1.1	ND	0.6	73	
MW-7	Dec. 24, 1991	ND	ND	ОИ	ND	ND	
	Mar. 30, 1992	ND	ИD	ND	ND	ND	
MW-8	Dec. 24, 1991	1,700	2,400	1,200	6,100	81,000	Odor, sheen
	Mar. 30, 1992	1,700	880	970	1,900	3,000	Odor, sheen

Notes:

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

ATTACHMENT 5 FIELD DATA SHEETS

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

Project Address:	Beacon - 1088 Marina Bl, San Leandro - 720	Date:	9-22-93	
Recorded by:	DI	_Project No.:	92-702	

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	PLE	33.10	R7.72	14.18			
MW-2	CYEI	32.80	25.24	14.32			
MW-3	11:91	32.30	24.50	13.88		* * * * * * * * * * * * * * * * * * *	
MW-4	139p	32.90	26.90	14.51			
MW-5	1090	32.70	27.64	14.37			
MW-6		30.40					PAVED OVER
MW-7	1045	31,20	25.61	13.18			
MW-8	11:13	33.80	84.52	15.81			
				! 	! 		

Notes:

(A) AEC	S ENVIRONME	ITAL, INC.		SAMPLING	INFORMATIC	N SHEET	
Client:	2	N #	720	7	Project No:	92-7	D2
Site:		MARINA	BLVD.	Weil	Designation:	mw-	
	SAN LE	ANDRO	<u>, CA</u>	•			
Purging Equi	pment:	X	2" Disposab				
			2" PVC baile 4" PVC baile			Submersible Dedicated b	•
			.4 PVC Dam	3T		_pericated p	aller
Sam	pled with dis	posal bailer:	<u>X</u> 1	Teflon Bailer:			<u></u>
W	ell Diameter:	2" 📉	3"	4"	6"	8"	
Purge V	ol. Multiplier:	0.163	0.367	0.653	1.47	2.61	gai/ft.
Initial Measurr	nent		Recharge Me	<u>asurement</u>			a
Time: (2:(4	_		Time: 12'35	5	Calcu	ılated purge:	<u>8</u>
Depth of wel			Depth to wa	ter: 15.4]	P	\ctual purge:	<u>\S</u>
Depth to wat	ter: [4-18						
Veter Calibra	ation		Temp.	E.C.	рН	Turbidity	
Date		nitial reading					
Time	Adjı	ısted reading					
Start purge:	12:17	Sa	mpling time:	12:40	Sa	mpling Date:	9-22-93
	Time	Torre	E.C.	рH	Turbidity	Volume	•
		Temp.	E.U.	рн	Turbidity	3	
	12:22	71.3				3	
	12:27	71.0					·
	15:35	70.9	-			2	
		Sample	appearance:	Clear) 		~~~
QC sampi	les collected	at this well:	<u></u>	,		Lock:	3753
quipment re	placed:	(Check all th	at apply) Note	condition of r	eplaced item.		
." Locking C	ap:			Lock #2357	: 🗆		
." Locking C	ap:		<u>-</u>	Lock #3753	:		
Remarks:	CA	$\partial \mathcal{D}$	LOCK =	* Risel	6a	20	
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			····		
	·		<u> </u>	•		<u> </u>	
	·			<u></u>		/1	
	_	,				//-	
ignature	Dan Jon	20-			Review	ula	<u> </u>

with the same and the

ASC.	is environima	ral, inc.		SAMPLING I	NFORMATIC	N SHEET	
Client: Site:	1088	MARINA ANDRO	7 <u>20</u> BLVD. , CA	Well	Project No: Designation:	92-7 MW-	0 <u>2</u> .2
Purging Equi		X	2" Disposab 2" PVC baile 4" PVC baile	er		Submersible Dedicated b	
Sam	pled with dis	posal bailer:	ĹΧ.	Teflon Bailer:			
	ell Diameter: /ol. Multiplier:		3" 0.367	4" 0.653	1.47	8" 2.61	g a l/ft.
Initial Measure Time:	12.43 12.34	2)	Recharge Me Time: 1:03 Depth to wa			ılated purge: Actual purge:	
Meter Calibra			Temp.	E.C.	рH	Turbidity]
Date		Initial reading usted reading					-
Start purge:	<u>_</u>	Sa	mpling time:	1:06	Sa	mpling Date:	9-22-93
		5 - 1					1
1	Time	Temp.	E.C.	pH	Turbidity	Volume	1
1	12:56	77.2			· · · · · · · · · · · · · · · · · · ·	2	
	12:59	72.1				Z	·
		174					
		*					
QC samp	les collected	-	appearance:	Clear		Lock:	<u>3753</u>
Equipment re	placed:	(Check all the	at apply) Note	condition of re	placed item.	. '	
1" Locking C			- 	Lock #2357:	<u> </u>	·	<u> </u>
Locking C	.4		Lock.	Lock #3753: # Riser		77 h	
Remarks:)	nuch.	<u> </u>	(0)		
		······································				/	}
ignature	Dan Jone	0			Review	Ala	
	1 JONI JOHN			-			
		الخار وآثار المراجع ا المراجع المراجع المراج	AND THE STATE OF	is Tipe Particular and the second of the second			

AEGIS ENVIRONIMEN	MALING.		SAMPLING I	NFORMATIC	N SHEET	
Client: BEACO		720			92-70	02
1	MARINA ANDRO	BLVD.	. Weil	Designation:	<u>_mw-</u>	82
Purging Equipment:	X	2" Disposab	le bailer			
		2" PVC baile	er		Submersible	-
_	<u> </u>	4" PVC baile			Dedicated be	aner
Sampled with dis	posal bailer:		Teflon Bailer:			<u> </u>
Well Diameter:		3"	4"	6"	8"	
Purge Vol. Multiplier:	0.163	0.367	0.653	1.47	2.61	g ai /ft.
Initial Measurment Time: :\(\)		Recharge Me		Calcu	ilated purge:	5 6
Depth of well:	4.50		ter:		ctual purge:	
Depth to water:	3.88					
Meter Calibration Date	nitial reading	Temp.	E.C.	ρH	Turbidity	
	isted reading					
Start purge:	146 Sa	mpling time:	15.37 18	Sai	mpling Date:	9-22-93
Time	Town	E.C.	рН	Turbidity	Volume	
1157	Temp.	<u> </u>	рп	raibidity	2	
1130	\$ 7	1.4			2	
1202		1.6			2	
	1					
	Comple				<u>, - [</u>	
QC samples collected	•	appearance:	 		Lock:	3753
Equipment replaced:	(Check all tha	it apply) Note	condition of re	eplaced item.	,	
1" Locking Cap:			Lock #2357:			
" Locking Cap:	000	/ 0 0 / 5	Lock #3753:		<u></u> :.	
Remarks: good -()	Apgood-	LOCK ade	Riser			
STOCK FIOS	*************************************	100				
		· · · · · · · · · · · · · · · · · · ·				
			· · · · · · · · · · · · · · · · · · ·			
ignature Dan Oon	g			Review		

AEG	IS ENVIRONIMEN	TAL, INC.	·	SAMPLING I	NFORMATIC	N SHEET	
Client: Site:	1088	N # MARINA ANDRO	720 BLVD. CA	Well	Project No: Designation:	92-70 _mw-	02 <u> </u>
Purging Equi	pment: - pled with disp	X	2" Disposab 2" PVC baile 4" PVC baile	er		Submersible Dedicated b	•
W	ell Diameter: /ol. Multiplier:	2" <u>×</u> 0.163	3" 0.367	4" 0.653	6"	8" 2.61	g al/ft.
Initial Meesurr Time: 1:39 Depth of well Depth to wat	1: <u>26.90</u>		Recharge Me Time: <u>\'58</u> Depth to wa			ılated purge: Actual purge:	
Meter Calibra Date	lı Adju	nitial reading sted reading	Temp.	E.C.	рН	Turbidity	·
Start purge:	Time :43 :44 :49 :55	Temp. 71.7 70.8	E.C.	2:02 pH	Sa: Turbidity	Volume	9-22-93
QC sampl	es collected a	•	appearance:	Clear		Lock:	375.3
Equipment re 2" Locking C 4" Locking C Remarks:	ap:			condition of re Lock #2357: Lock #3753:			
Signature	Dan Jore	<u> </u>			Review	Da	

AEGI	s environime	ITAL, INC.	,	SAMPLING I	NFORMATIC	N SHEET	
Client:	BEACC	<u>#</u>	720		Project No:	92-7	72
Site:		MARINA		- Well	Designation:		5
		ANDRO	, CA	-	_		
Purging Equi	oment:	X	2" Disposab		,	Cultura	
			2" PVC baile 4" PVC baile			Submersible Dedicated b	-
i			•	_ ·		- Jedicated D	u
Sam	pled with dis	posal bailer:		Teflon Bailer:		<u> </u>	
W	ell Diameter:	2" 🔀	3*	4"	6"	8"	
Purge V	ol. Multiplier:		0.367	0.653	1.47	2.61	g ai/ft.
Initial Measurn	nent		Recharge Me	asurement			7
Time: <u>(* 0 9 </u>			Time: 1:29	-	Calcu	lated purge:	8
Depth of wel			Depth to wa	iter: 15.91	P	Actual purge:	
Depth to wat		:					·
Meter Calibra			Temp.	E.C.	pН	Turbidity	
Date		nitial reading				<u> </u>	
Time		usted reading	<u> </u>	<u> </u>			0 00 03
Start purge:	1.12	Sa	mpling time:	1.52	Sai	mpling Date:	9-22-93
	Time	Temp.	E.C.	pH _	- Turbidity	Volume	
	1:16	71.8				3	
	1.20	71.6				3	
	1.25	71.3			····	5	
		Sample	appearance:	CIRAR			
QC sampl	es collected	•				Lock:	<i>375</i> 3
Equipment re	placed:	(Check all the	at apply) Note	condition of re	eplaced item.		
2" Locking C	ap:			Lock #2357:	:		
4" Locking C				Lock #3753:			
Remarksr	YCCAP,	OKLOCK	COKKI	ser			
Water	2 Above	Riscer, C	AP OK		•	<u> </u>	
		· · · · · · · · · · · · · · · · · · ·	·				
						//	}
						//-	
Signature	Dan Jour	<u>~</u>			Review	Ma	

ASC	Senvironme	MAL INC.		SAMPLING I	NFORMATIO	N SHEET	
Client: Site:		MARINA EANDRO	720 BLVD. , CA	Weil	Project No: Designation:	92-70 MW-	6
Purging Equi	pment: pled with dis	posal bailer:	2" Disposab 2" PVC baile 4" PVC baile	ЭГ		Submersible Dedicated b	-
W	ell Diameter: /ol. Multiplier: nent -	2" 🗶	3"	4" 0.653 asurement	6" 1.47 Calcu	8" 2.61 lated purge: ctual purge:	
Meter Calibra Date	ntion	nitial reading		E.C.	pH	Turbidity	
Start purge:		Sa	mpling time:		San	npling Date:	9-22-93
	Time	Temp.	E.C.	Hq	Turbidity	Volume	
QC sample Equipment re 2" Locking C 4" Locking C Remarks:	ap:	at this well:	appearance: at apply) Note	condition of re Lock #2357: Lock #3753:		Lock:	
nemarks:		DAVE	1 011	2 B CX	Δ	Me C <	

3ignature

Review

ASC	is environimen	TAL DIC		SAMPLING I			
Client:	BEACO	N #	720		Project No:	92-7	02
Site:	1088			Weli		mw-	
i	SAN LE	ANDRO	, CA	•			
Purging Equi	pment:		2" Disposab	le bailer			
		_	2" PVC baile			Submersible	-
			4" PVC baile	er .		_Dedicated b	ailer
Sam	pled with dis	posal bailer:	\boxtimes	Teflon Bailer:			
W	ell Diameter:	2" 🗙	3"	4"	6"	8"	
	Vol. Multiplier:	0.163		0.653	1.47	2.61	gai/ft.
Initial Measur	ment		Recharge Me	asurement			
Time: 1045			Time: 110(Calcu	ulated purge:	7
Depth of we		•		rter: 13.86		\ctual purge:	
Depth to wa			•			-	
Meter Calibra	ation		Temp.	E.C.	рН	Turbidity	
Date		nitial reading			•		
Time		ısted reading					1
	•	_					4 8
	1048		mpling time:	11092	Sa	mpling Date:	9-22-93
				1109 A	Sa Turbidity	mpling Date:	<u>9-22-93</u>
	Time	Sa Temp.	mpling time:				9-22-93
	Time 1051	Temp.	mpling time:				<u>9-22-93</u>
	Time 1051 1056	Temp. 70.\ 71.4	mpling time:				9-22-93
	Time 1051	Temp.	mpling time:				9-22-93
	Time 1051 1056	Temp. 70.\ 71.4	mpling time:				9-22-93
	Time 1051 1056	Temp. 70.\ 71.4	mpling time:				<u>9-22-9</u> 3
Start purge:	Time 1051 1056 1102	Temp. 70.\ 71.4 71.2	E.C.	рН	Turbidity	Volume	
Start purge:	Time 1051 1056	Temp. 70.\ 71.4 71.2	E.C.	рН	Turbidity	Volume	9-22-93 Nove
Start purge:	Time 1051 1056 1102	Temp. 70.\ 71.4 71.2 Sample at this well:	E.C.	pH Olega	Turbidity	Volume	
QC samp	Time 1051 1056 1102 bles collected eplaced: Cap:	Temp. 70.\ 71.4 71.2 Sample at this well:	E.C.	pH	Turbidity	Volume	
QC samp quipment re " Locking (" Locking (Remarks:	Time 1051 1056 1102 eles collected epiaced: Cap:	Sample at this well:	appearance:	condition of relative #2357: Lock #3753:	Turbidity epiaced item.	Volume	
QC samp quipment re " Locking (" Locking (Remarks:	Time 1051 1056 1102 Ilog ales collected eplaced: Cap:	Sample at this well:	E.C. appearance:	condition of relative #2357: Lock #3753:	eplaced item.	Volume	None
QC samp quipment re " Locking C " Locking C Remarks: LiD CA	Time 1051 1056 1102 Illog Il	Sample at this well:	appearance: at apply) Note	condition of relative #2357: Lock #3753:	eplaced item.	Volume Cock:	None

Review

ignature <u>Dan</u>

	S ENVIRONMEN	7		SAMPLING II	NFORMATIO	N SHEET	
Client:	BEACO	<u>لل</u> #	720		Project No:	92-70	02
Site:		MARINA		- Well I	Designation:		8
		ANDRO	, CA	- -	-		
Purging Equi		X	2" Disposat 2" PVC bail 4" PVC bail	er er		Submersible Dedicated b	-
Sam	pled with dis	posal bailer:		Teflon Bailer:			
f	ell Diameter: /ol. Multiplier:	2"X 0.163	3" 0.367	4" 0.653	1.47	8" 2.61	g al/f t.
Initial Measure Time: 11,13 Depth of well Depth to war	 , . <u>.</u>	* * * * * * * * * * * * * * * * * * *	Recharge Me Time: \ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	ater: 14.60		ulated purge: Actual purge:	
Meter Calibra			Temp.	E.C.	pН	Turbidity	
Date		nitial reading					
Time		sted reading		1			() 00 05
Start purge:	11:17	Sa	mpling time:	11:39	Sai	mpling Date:	4-22-93
•	Time	Temp.	E.C.	рН	Turbidity	Volume	
	11:22	71.8				Z	
	11:26	71.6				J.	
	11:31	71-2			-	1	·
		1 g (4)	er 🎉 🖟				
		и					
QC samp	ies collected	•	appearance:	- clea		Lock:	370
Equipment re	epiaced:			condition of re	eplaced item.		
2" Locking C	· —			Lock #2357: Lock #3753:			····
Remarks:	-flush w	An & CO ITH GrA	de.	Riser)			
					·		
		· · · · · · · · · · · · · · · · · · ·				77	
3ignature	Dan Do	w2 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -			Review	Lla	
			Alleria en properes				

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

Project Address:	1088 MARINA BIND. SAN LEANDRO	Date:	10 11 93
Recorded by:	Steve Osponia	Project No.:	92-702

Well No.	Time	Measured Total Depth	Depth to Gr. Water	Depth to Product	Product Thickness	Comments (TOC/TOB) (product skimmer in well)
MW-6	178	15.10	12.82			

	·· ······					
		-				
					,	
						

Notes:

							
AEC	eis environime	ntal inc		SAMPLING	INFORMATIO	ON SHEET	
Client:	BEALL	ni! # -;	720	-	Project No:	92-7	7) Z
1		MARINA		, Well	l Designation:	m11)-	<u> </u>
-, .	<4AI	LEANDRA		•	- Brown grown		<u></u>
	<i></i>					المعادر	
•	raffic control devi	•	NO NO	YES YES	Setup & Takedo	<u>ک۔</u> Below TOC)	hours
13 5	ere standing water Is Top of Cas	er in well box? : sing cut level? :	NO	YES	•	Below TOC) explain in remarks!	1
•	is well cap seale	id and locked? :	NO	YES	-	xplain in remarks)	
	of Well Casing Ris		Excellent	Good	Fair	Poor (Explair	'e/re)
	ondition of Wellh	680 855 GERMY .	2" Disposable		FBII	Poor (Explain	
Purging Equi	pment.		_2" Disposabl 2" PVC baile		•	Submersible Dedicated by	-
1			-	-		- Dedicated Pi	glier
			_4" PVC baile	} Γ			
Sampled	i with: Dis	sposal bailer:	T T	eflon Bailer:	•		
	ell Diameter:			4"	6"	8"	
1	ven Diameter: Vol. Multiplier:	•	0.367	0.653	1.47	2.61	gai/ft.
Fulge .	/01. Williapie	; 0. 163	V.307	U.Dau	1.77	2.01	garr.
Initial Measur	ment		Recharge Mea	surement			
Time: 1/3	•		Time:		Calc	ulated purge:	1.5
Depth of wel	ـــــــــــــــــــــــــــــــــــــ	1-	Depth to war	-		Actual purge:	-
Depth to was			-		,	, ,	
Meter Calibra	ttion	·	Temp.	E.C.	рН	Turbidity	7
§		Initial reading		E.C.	рН	Turbidity	
Date		Initial reading		E.C.	рН	Turbidity	
Date Time	Adj	justed reading					
Date	Adj	justed reading Sa	mpling time:	/: 38	Sa	mpling Date:	10-11-53
Date Time	Adj	Sal	mpling time: E.C.	/: 38 pH	Sa	mpling Date: Volume	10-11-53
Date Time	Adj	justed reading Sa	mpling time:	/: 38	Sa	mpling Date:	10-11-53
Date Time	Adj	Sal	mpling time: E.C.	/: 38 pH	Sa	mpling Date: Volume	10-11-53
Date Time	Time	Sal Temp.	mpling time: E.C. パララ	1: 30 pH 7.27 7.21	Sa	mpling Date: Volume	10-11-53
Date Time	Time 1:22 1:24	Sal Temp.	mpling time: E.C.	1: 30 pH 7. 27	Sa	mpling Date: Volume	10-11-53
Date Time	Time 1:22 1:24	Sal Temp.	mpling time: E.C. パララ	1: 30 pH 7.27 7.21	Sa	mpling Date: Volume	10 - 11-53
Date Time	Time 1:22 1:24	Sal Temp.	mpling time: E.C. パララ	1: 30 pH 7.27 7.21	Sa	mpling Date: Volume	10-11-53
Date Time	Time 1:22 1:24	Sal Temp. リカし・オーレンディー	mpling time: E.C. 、さら ・ない	1: 30 pH 7.27 7.21	Sa	mpling Date: Volume	10-11-53
Date Time Start purge:	Time 1:22 1:24 1:26	Sanple	mpling time: E.C. , 3 3 • 2 5 , 3 3 appearance:	1:30 pH 7.27 7.27 7.15	Sa	mpling Date: Volume S S S	
DateTimeStart purge:	Time 1:22 1:24 i.26	Sample at this well:	mpling time: E.C. .33 .25 .33 appearance:	1:30 pH 7 27 7 21 7 15	Sa: Turbidity	mpling Date: Volume S S S	10-11-53
Date Time Start purge: QC sample Equipment re	Time 1:22 1:24 i:26	Sample at this well:	mpling time: E.C. .33 .25 .33 appearance: () a	1:30 pH 7 27 7 21 7 15	Sar Turbidity	mpling Date: Volume S S Lock:	<u>Soldin</u>
DateTimeStart purge:	Time 1:22 1:24 i:26	Sample at this well:	mpling time: E.C. , 33 . 73 . 73 appearance: () 4 at apply) Note of Lock #2357:	1:30 pH 7 27 7 21 7 15	Sar Turbidity	mpling Date: Volume S S S	oddin.
Date Time Start purge: QC sample Equipment re	Time 1:22 1:24 1:26 les collected eplaced:	Sample at this well:	mpling time: E.C. .33 .25 .33 appearance: () a	1:30 pH 7 27 7 21 7 15	Turbidity replaced item.	mpling Date: Volume S S Lock:	oddin
Date Time Start purge: QC sample Equipment re 2" Locking C 4" Locking C	Time 1:22 1:24 1:26 les collected eplaced: cap:	Sample at this well:	mpling time: E.C. , 33 , 23 , 23 appearance: () 4 at apply) Note of Lock #2357: Lock #3753:	1: 30 pH 7: 27 7: 21 7: 15	Turbidity replaced item.	mpling Date: Volume S Lock: Lock: Lock: Lock-Dolphin:	oddin.
Date Time Start purge: QC sample Equipment re 2" Locking C 4" Locking C	Time 1:22 1:24 1:26 les collected eplaced: cap:	Sample at this well:	mpling time: E.C. , 33 , 23 , 23 appearance: () 4 at apply) Note of Lock #2357: Lock #3753:	1: 30 pH 7: 27 7: 21 7: 15	Turbidity replaced item.	mpling Date: Volume S Lock: Lock:	oddin.
Date Time Start purge: QC sample Equipment re 2" Locking C 4" Locking C	Time 1:22 1:24 1:26 les collected eplaced: cap:	Sample at this well:	mpling time: E.C. , 33 , 23 , 23 appearance: () 4 at apply) Note of Lock #2357: Lock #3753:	1: 30 pH 7: 27 7: 21 7: 15	Turbidity replaced item.	mpling Date: Volume S Lock: Lock: Lock: Lock-Dolphin:	oddin.

Review

Signature