

PACIFIC
ENVIRONMENTAL
GROUP, INC.

ENVIRONMENTAL
PROTECTION

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10-18-96
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Quarterly Groundwater Monitoring Report Second Quarter 1996

ARCO Service Station 2162
15135 Hesperian Boulevard at Ruth Court
San Leandro, California

Prepared for

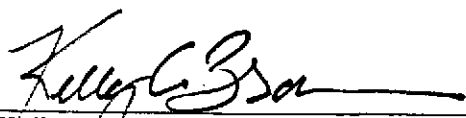
ARCO Products Company

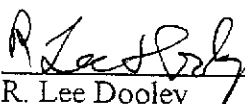
September 26, 1996

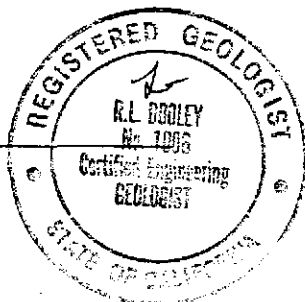
Prepared by

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, California 95110

Project 330-107.2C


Kelly C. Brown
Project Manager


R. Lee Dooley
Senior Geologist
CEG 1006



Date: September 26, 1996
Quarter: 2Q96

ARCO QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 2162 - Address: 15135 Hesperian Boulevard at Ruth Court, San Leandro
ARCO Environmental Engineer: Paul Supple
Consulting Co./Contact Person: Pacific Environmental Group, Inc./Kelly Brown
Consultant Project No.: 330-107.2C
Primary Agency/Regulatory ID No.: Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER (Second - 1996):

1. Performed second quarter 1996 groundwater monitoring event.
2. Prepared second quarter 1996 groundwater monitoring report.
3. Liaison with the ACHCSA regarding rescinding work plan.

WORK PROPOSED FOR NEXT QUARTER (Third - 1996):

1. Perform third quarter 1996 groundwater monitoring event.
2. Prepare third quarter 1996 groundwater monitoring report.

Current Phase of Project:	<u>Monitoring</u>	(Assmnt. Remed., etc.)
Frequency of Groundwater Sampling:	<u>Quarterly</u>	(Quarterly, etc.)
Frequency of Groundwater Monitoring:	<u>Quarterly</u>	(Monthly, etc.)
Is Free Product (FP) Present On-Site:	<u>No</u>	(Yes/No)
FP Recovered this Quarter:	<u>None</u>	(gallons)
Cumulative FP Recovered to Date:	<u>None</u>	(gallons)
Bulk Soil Removed This Quarter:	<u>None</u>	(cubic yards)
Bulk Soil Removed to Date:	<u>960</u>	(cubic yards)
Current Remediation Techniques:	<u>Natural Attenuation</u>	(SVE/Sparge/FP Removal, etc.)
Approximate Depth to Groundwater:	<u>6.8 to 8.2</u>	(Measure Feet)
Groundwater Gradient:	<u>South-southwest</u>	(Direction)
	<u>0.010</u>	(Magnitude)

DISCUSSION:

- TPPH-g and benzene remain within historical levels.

September 26, 1996

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ATTACHMENTS:

- Table 1 - Groundwater Sampling Schedule
- Table 2 - Groundwater Elevation and Analytical Data
- Figure 1 - Groundwater Elevation Contour Map
- Figure 2 - TPHH-g/Benzene Concentration Map
- Attachment A - Historical Groundwater Elevation and Analytical Data Tables
- Attachment B - Field and Laboratory Procedures
- Attachment C - Certified Analytical Report, Chain-of-Custody Documentation, and Field Data Sheets

cc: Mr. John Jang, Regional Water Quality Control Board - S.F. Bay Region
Mr. Mike Bakaldin, City of San Leandro Fire Department, Hazardous
Materials Division
Mr. Scott Seery, Alameda County Health Care Services Agency

Table 1
Groundwater Sampling Schedule

ARCO Service Station 2162
15135 Hesperian Boulevard at Ruth Court
San Leandro, California

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Sampling Frequency
MW-1	a	a	a	a	Quarterly
MW-2	a	a	a	a	Quarterly
MW-3	a	a	a	a	Quarterly
MW-4	a	a	a	a	Quarterly

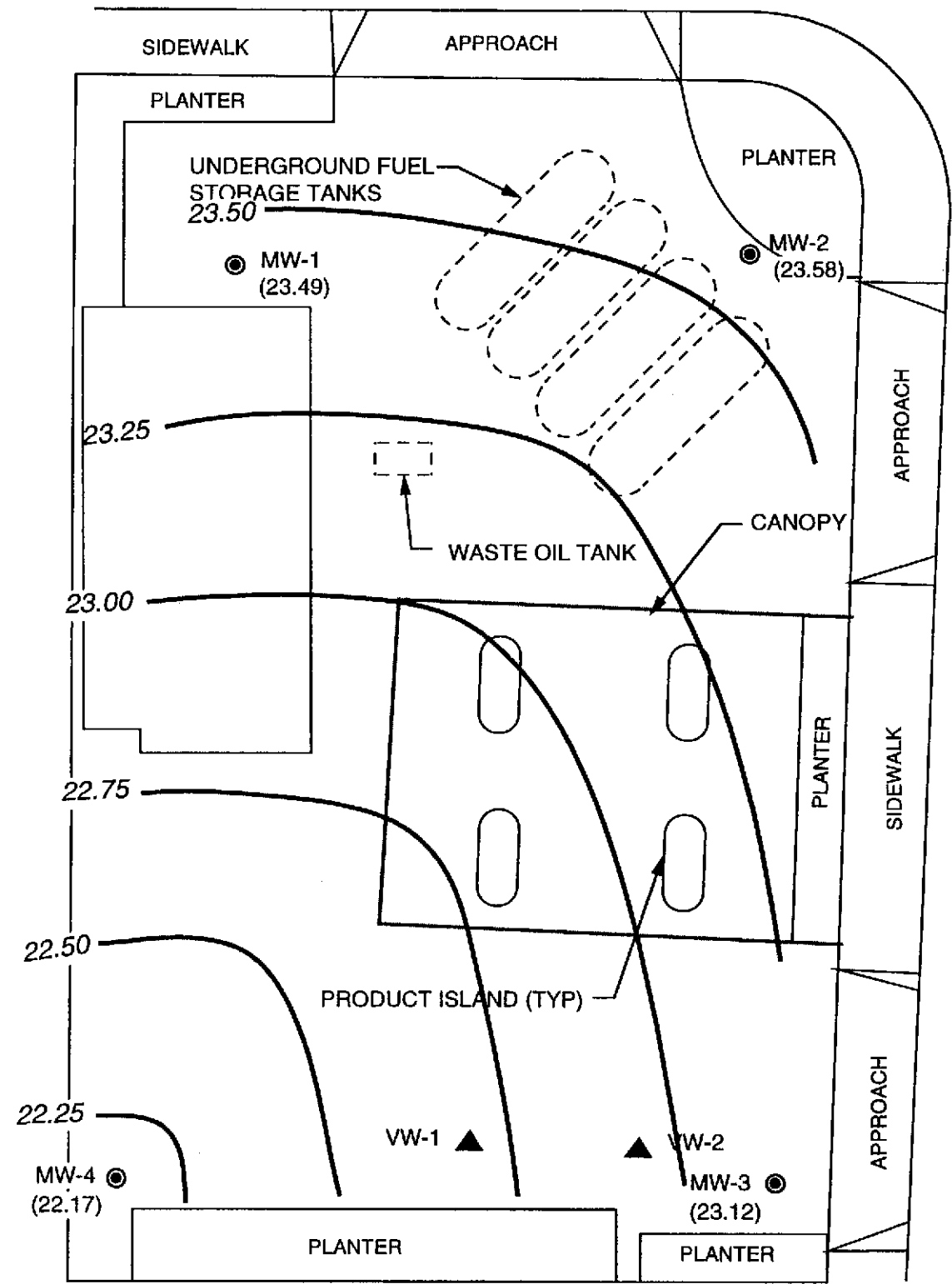
a. Samples analyzed for TPH-g, BTEX compounds, and MtBE according to EPA Methods 8015 (modified) and 8020.

Table 2
Groundwater Elevation and Analytical Data
 Total Purgeable Petroleum Hydrocarbons
 (TPPH as Gasoline and BTEX Compounds)

ARCO Service Station 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)
MW-1	02/26/96	31.19	7.14	24.05	<50	<0.50	<0.50	<0.50	<0.50
	05/23/96		7.70	23.49	<50	<0.50	<0.50	<0.50	
MW-2	02/26/96	30.38	6.41	23.97	770	<0.50	<0.50	45	28
	05/23/96		6.80	23.58	590	0.50	<0.50	35	18
MW-3	02/26/96	30.30	6.72	23.58	120	5.0	<0.50	<0.50	<0.50
	05/23/96		7.18	23.12	140	12	<0.50	<0.50	<0.50
MW-4	02/26/96	30.39	7.59	22.80	110	9.9	<0.50	<0.50	<0.50
	05/23/96		8.22	22.17	69	8.0	<0.50	<0.50	<0.50
MSL = Mean sea level TOC = Top of casing ppb = Parts per billion < = Less than the laboratory detection limit stated to the right.									

RUTH COURT



LEGEND

- MW-4 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- VW-1 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
- (23.12) GROUNDWATER ELEVATION IN FEET - MSL, 5-23-96
- 23.50 — GROUNDWATER ELEVATION CONTOUR IN FEET - MSL, 5-23-96

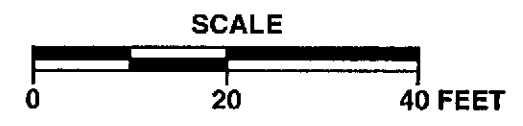


APPROXIMATE DIRECTION OF GROUNDWATER FLOW
 APPROXIMATE GRADIENT = 0.010

SOURCE: MAP BY RESNA



PACIFIC ENVIRONMENTAL GROUP, INC.

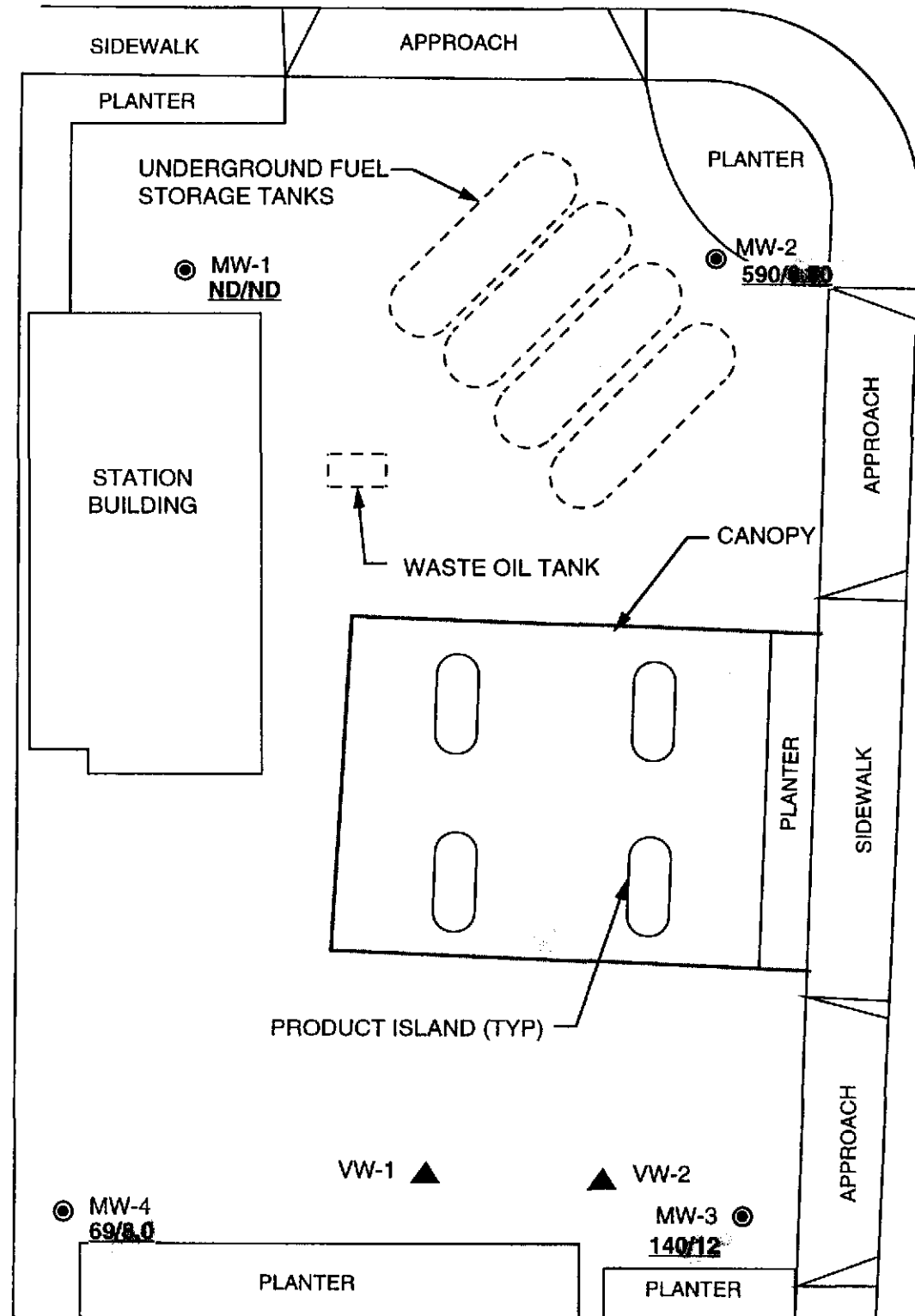


ARCO SERVICE STATION 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE: **1**
 PROJECT: 330-107.2C

RUTH COURT



LEGEND

- MW-4 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- VW-1 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
- 590/0.50 TPPH-g/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 5-23-96
- ND** NOT DETECTED



APPROXIMATE DIRECTION OF GROUNDWATER FLOW

SOURCE: MAP BY RESNA



PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE



ARCO SERVICE STATION 2162
15135 Hesperian Boulevard at Ruth Court
San Leandro, California

TPPH-g/BENZENE CONCENTRATION MAP

FIGURE:
2

PROJECT:
330-107.2C

ATTACHMENT A

**HISTORICAL GROUNDWATER ELEVATION AND
ANALYTICAL DATA TABLES**

Table A-1
Historical Groundwater Elevation Data

ARCO Service Station 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	
MW-1	09/30/92	31.19	10.68	20.51	
	10/16/92		10.83	20.36	
	01/14/93		7.25	23.94	
	02/24/93		7.23	23.96	
	03/30/93		7.58	23.61	
	04/14/93		7.96	23.23	
	05/19/93		8.26	22.93	
	06/17/93		8.42	22.77	
	07/28/93		8.68	22.51	
	08/11/93		9.07	22.12	
	09/28/93		9.60	21.59	
	10/15/93		9.51	21.68	
	11/16/93		— Well Inaccessible —		
	12/16/93		8.70	22.49	
	02/15/94		8.51	22.66	
	03/18/94		8.46	22.73	
	05/05/94		8.66	22.53	
	08/05/94		9.50	21.69	
	11/21/94		8.83	22.36	
	02/24/95		7.90	23.29	
05/31/95	7.86	23.33			
08/23/95	8.74	22.45			
11/22/95	9.50	21.69			
MW-2	09/30/92	30.38	9.74	20.64	
	10/16/92		9.91	20.47	
	01/14/93		6.56	23.82	
	02/24/93		6.67	23.71	
	03/30/93		6.76	23.62	
	04/14/93		7.10	23.28	
	05/19/93		7.40	22.98	
	06/17/93		7.51	22.87	
	07/28/93		7.73	22.65	
	08/11/93		8.11	22.27	
	09/28/93		8.57	21.81	
	10/15/93		8.56	21.82	
	11/16/93		8.87	21.51	
	12/16/93		7.92	22.46	
	02/15/94		7.62	22.76	
	03/18/94		7.57	22.81	
	05/05/94		7.75	22.63	
08/05/94	8.53	21.85			
11/21/94	7.92	22.46			
02/24/95	6.98	23.40			
05/31/95	6.97	23.41			
08/23/95	7.83	22.55			
11/22/95	8.54	21.84			
MW-3	09/30/92	30.30	9.93	20.37	
	10/16/92		10.13	20.17	
	01/14/93		6.71	23.59	
	02/24/93		6.82	23.48	
	03/30/93		7.07	23.23	
	04/14/93		7.41	22.89	
	05/19/93		7.72	22.58	
	06/17/93		7.86	22.44	
07/25/93	8.13	22.17			

Table A-1 (continued)
Historical Groundwater Elevation Data

ARCO Service Station 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-3	08/11/93		8.45	21.85
(cont.)	09/28/93		8.96	21.34
	10/15/93		8.85	21.45
	11/16/93		9.09	21.21
	12/16/93		8.10	22.20
	02/15/94		7.88	22.42
	03/18/94		7.88	22.42
	05/05/94		8.08	22.22
	08/05/94		8.82	21.48
	11/21/94		8.17	22.13
	02/24/95		7.40	22.90
	05/31/95		7.35	22.95
	08/23/95		8.15	22.15
	11/22/95		8.84	21.46
MW-4	09/30/92	30.39	11.15	19.24
	10/16/92		11.33	19.06
	01/14/93		7.49	22.90
	02/24/93		7.57	22.82
	03/30/93		8.06	22.33
	04/14/93		8.48	21.91
	05/19/93		7.80	22.59
	06/17/93		8.94	21.45
	07/25/93		9.28	21.11
	05/11/93		9.61	20.78
	09/25/93		10.14	20.25
	10/15/93		10.00	20.39
	11/16/93		10.22	20.17
	12/16/93		9.11	21.28
	02/15/94		8.97	21.42
	03/15/94		8.99	21.40
	05/05/94		9.21	21.18
	08/05/94		10.02	20.37
	11/21/94		9.30	21.09
	02/24/95		8.46	21.93
	05/31/95		8.41	21.98
	08/23/95		9.32	21.07
	11/22/95		9.98	20.41
MSL = Mean sea level				
TOC = Top of casing				

Table A-2
Historical Groundwater Analytical Data
 Total Purgeable Petroleum Hydrocarbons
 (TPPH as Gasoline and BTEX Compounds)

ARCO Service Station 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

Well Number	Date Sampled	TPPH as			Ethyl-benzene (ppb)	Xylenes (ppb)
		Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)		
MW-1	09/30/92	1,100	6.2	<0.50	6.9	<0.50
	10/16/92	790	3.0	0.8	5.6	2.9
	01/14/93	660	1.2	<1 a	15	4.6
	04/14/93	310	<1 a	<1 a	<1 a	
	08/11/93	660	0.8	<0.7	9.0	<1 b
	10/15/93	620	0.7	<0.5	5.9	2.2
	02/15/94	650	1.9	<0.5	4.5	4.9 b
	05/05/94	510	<0.5	<0.5	<1	1.6
	08/05/94	310	<0.5	<0.5	1.5	1.2
	11/21/94	330	<0.5	<0.5	1.5	1.1
	02/24/95	120	<0.50	<0.50	<0.50	<0.50
	05/31/95	<50	<0.50	<0.50	<0.50	<0.50
	08/23/95	160	<0.50	<0.50	<0.50	<0.50
	11/22/95	70	<0.50	<0.50	<0.50	<0.50
MW-2	09/30/92	1,000	9.6	<0.50	45	110
	10/16/92	630	8	<1 a	37	64
	01/14/93	7,800	33	5	340	920
	04/14/93	1,600	7	<5 a	220	520
	08/11/93	1,600	4.3	<1 a	80	120
	10/15/93	1,100	1.7	<1 a	62	70
	02/15/94	490	1.8	1.5	49	37
	05/05/94	360	<0.5	<0.5	27	18
	08/05/94	680	<0.5	<0.5	42	37
	11/21/94	500	<0.5	<0.5	40	25
	02/24/95	650	<0.50	<0.50	52	48
	05/31/95	450	<0.50	<0.50	33	33
	08/23/95	180	<0.50	<0.50	12	9.5
	11/22/95	88	<0.50	<0.50	2.1	1.3
MW-3	09/30/92	<50	<0.50	<0.50	<0.50	<0.50
	10/16/92	<50	<0.50	<0.50	<0.50	<0.50
	01/14/93	52	<0.50	<0.50	<0.50	<0.50
	04/14/93	360	86	2.1	5.1	4.0
	08/11/93	69	1.1	<0.5	<0.5	<0.5
	10/15/93	<50	<0.5	<0.5	<0.5	<0.5
	02/15/94	<50	<0.5	<0.5	<0.5	<0.5
	05/05/94	<50	<0.5	<0.5	<0.5	<0.5
	08/05/94	<50	<0.5	<0.5	<0.5	<0.5
	11/21/94	<50	<0.5	<0.5	<0.5	<0.5
	02/24/95	<50	0.93	<0.50	<0.50	<0.50
	05/31/95	120	24	<0.50	<0.50	<0.50
	08/23/95	85	<0.5	<0.5	<0.5	<0.5
	11/22/95	<50	<0.50	<0.50	<0.50	<0.50
MW-4	09/30/92	330	81	<0.50	<0.50	<0.50
	10/16/92	250	44	<0.50	<0.50	0.7
	01/14/93	260	29	0.6	<0.50	1.1
	04/14/93	NS	NS	NS	NS	NS
	08/11/93	150	21	<0.5	<0.5	<0.5
	10/15/93	190	12	<0.5	<0.5	<0.5
	02/15/94	<50	2.0	<0.5	<0.5	<0.5
	05/05/94	160	17	<0.5	<0.5	0.6
	08/05/94	120	10	<0.5	<0.5	<0.5
	11/21/94	120	17	<0.5	<0.5	0.6

Table A-2 (continued)
Historical Groundwater Analytical Data
 Total Purgeable Petroleum Hydrocarbons
 (TPPH as Gasoline and BTEX Compounds)

ARCO Service Station 2162
 15135 Hesperian Boulevard at Ruth Court
 San Leandro, California

Well Number	Date Sampled	TPPH as				Ethyl-benzene (ppb)	Xylenes (ppb)
		Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)			
MW-4 (cont.)	02/24/95	110	14	<0.50	<0.50	<0.50	
	05/31/95	97	11	<0.50	<0.50	<0.50	
	08/23/95	110	16	<0.50	<0.50	<0.50	
	11/22/95	71	6.2	<0.50	<0.50	<0.50	
ppb	= Parts per billion						
NS	= Not sampled, separate-phase hydrocarbon entered well during purging.						
a.	Raised MRL due to high analyte concentration requiring sample dilution						
b.	Raised MRL due to matrix interference						

Table A-3
Historical Groundwater Analytical Data
Total Methyl t-Butyl Ether

ARCO Service Station 2162
15135 Hesperian Boulevard at Ruth Court
San Leandro, California

Well Number	Date Sampled	Methyl t-Butyl Ether (ppb)
MW-1	8/23/95	<2.5
MW-2	8/23/95	<2.5
MW-3	8/23/95	41
MW-4	8/23/95	<2.5

ppb = Parts per billion

ATTACHMENT B
FIELD AND LABORATORY PROCEDURES

ATTACHMENT B

FIELD AND LABORATORY PROCEDURES

Sampling Procedures

The sampling procedure for each well consists of first measuring the water level and checking for the presence of separate-phase hydrocarbons (SPH) using either an electronic indicator and a clear Teflon[®] bailer or an oil-water interface probe. Wells not containing SPH are then purged of approximately three casing volumes of water (or to dryness) using a centrifugal pump, gas displacement pump, or bailer. Equipment used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored in order to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially recover. Groundwater samples are collected using a Teflon[®] bailer, placed into appropriate EPA-approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to a California State-certified laboratory.

Laboratory Procedures

The groundwater samples were analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline, benzene, toluene, ethylbenzene, and xylenes. The analyses were performed according to EPA Methods 8015 (modified), 8020, and 5030 utilizing a purge-and-trap extraction technique. Final detection was by gas chromatography using flame- and photo-ionization detectors. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical report, chain-of-custody documentation, and field data sheets are presented as Attachment C.

ATTACHMENT C

**CERTIFIED ANALYTICAL REPORT,
CHAIN-OF-CUSTODY DOCUMENTATION,
AND FIELD DATA SHEETS**



Sequoia Analytical

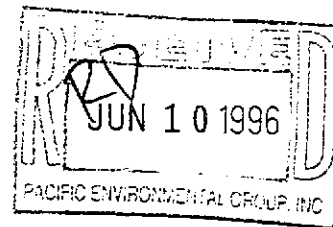
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Kelly Brown



Project: 330-107.21/2162, San Leandro

Enclosed are the results from samples received at Sequoia Analytical on May 24, 1996.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9605H99 -01	LIQUID, MW-1	05/23/96	TPHGBW Purgeable TPH/BTEX
9605H99 -02	LIQUID, MW-2	05/23/96	TPHGBW Purgeable TPH/BTEX
9605H99 -03	LIQUID, MW-3	05/23/96	TPHGBW Purgeable TPH/BTEX
9605H99 -04	LIQUID, MW-4	05/23/96	TPHGBW Purgeable TPH/BTEX
9605H99 -05	LIQUID, TB-1	05/23/96	TPHGBW Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Claudia Hirotsu
Project Manager

Quality Assurance Department





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-107.21/2162, San Leandro Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605H99-01	Sampled: 05/23/96 Received: 05/24/96 Analyzed: 05/31/96 Reported: 06/06/96
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QC Batch Number: GC053196BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	102

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-107.21/2162, San Leandro Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605H99-02	Sampled: 05/23/96 Received: 05/24/96 Analyzed: 05/31/96 Reported: 06/06/96
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QC Batch Number: GC053196BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	590
Benzene	0.50	0.50
Toluene	0.50	N.D.
Ethyl Benzene	0.50	35
Xylenes (Total)	0.50	18
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	105

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-107.21/2162, San Leandro Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605H99-03	Sampled: 05/23/96 Received: 05/24/96 Analyzed: 05/31/96 Reported: 06/06/96
QC Batch Number: GC053196BTEX03A Instrument ID: GCHP3		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	140
Benzene	0.50	12
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	102

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-107.21/2162, San Leandro Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605H99-04	Sampled: 05/23/96 Received: 05/24/96 Analyzed: 05/31/96 Reported: 06/06/96
--	---	---

QC Batch Number: GC053196BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	69
Benzene	0.50	8.0
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	118

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-107.21/2162, San Leandro Sample Descript: TB-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605H99-05	Sampled: 05/23/96 Received: 05/24/96 Analyzed: 05/31/96 Reported: 06/06/96
--	---	---

QC Batch Number: GC053196BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Claudia Hirotsu

Claudia Hirotsu
Project Manager





Pacific Environmental Group Client Project ID: 330-107.21/2162, San Leandro
 2025 Gateway Place, Suite 440 Matrix: Liquid
 San Jose, CA 95110
 Attention: Kelly Brown Work Order #: 9605H99 -01-5 Reported: Jun 8, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC053196BTEX03A	GC053196BTEX03A	GC053196BTEX03A	GC053196BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9605E9403	9605E9403	9605E9403	9605E9403
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/31/96	5/31/96	5/31/96	5/31/96
Analyzed Date:	5/31/96	5/31/96	5/31/96	5/31/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.4	8.0	8.0	23
MS % Recovery:	84	80	80	77
Dup. Result:	8.4	8.2	8.1	24
MSD % Recov.:	84	82	81	80
RPD:	0.0	2.5	1.2	4.3
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK053196A	BLK053196A	BLK053196A	BLK053196A
Prepared Date:	5/31/96	5/31/96	5/31/96	5/31/96
Analyzed Date:	5/31/96	5/31/96	5/31/96	5/31/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	7.9	7.6	7.6	23
LCS % Recov.:	79	76	76	77

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

 Claudia Hirotsu
 Project Manager

** MS= Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9605H99.PPP <1>



ARCO Products Company

Division of AtlanticRichfieldCompany

330.107.21

Task Order No. 1934800

Chain of Custody

ARCO Facility no. 2162	City (Facility) 15135 Hesperian Blvd San Leandro	Project manager (Consultant) Kelly Brown	Laboratory name Sequoia
ARCO engineer Mike Whelan	Telephone no. (ARCO) (408) 441 7500	Telephone no. (Consultant) (408) 441 7539	Contract number
Consultant name Pacific Environmental Group Inc.	Address (Consultant) 2025 Gateway Place Suite 440 San Jose CA 95110		

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 802/EPA 3020	BTEX/TPH/Gas EPA 1602/8020/8015	TPH Modified 8015 Gas Diesel	Oil and Grease 413.1 413.2	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals YCA YCA YCA	Semi Metals YCA YCA YCA	CMI Metals EPA 8010/7000 TLLC STLC	Lead Org/OHS Lead EPA 7420/7421	Method of shipment	
			Soil	Water	Other	Ice	Acid HCL																
✓ AHW-1		3		X		X	X	5/23/96	10:15	X													
✓ MW-2		↓		↓		↓	↓		10:40														
✓ MW-3		↓		↓		↓	↓		11:30														
✓ MW-4		↓		↓		↓	↓		11:05														
✓ TB-1		2		↓		↓	↓		n/a														

Special detection Limit/reporting

Special QA/QC

Remarks

9605499

Lab number

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample:	Temperature received:
Relinquished by sampler <i>W. DeGung</i>	Received by <i>W. DeGung</i>
Date 5/23/96 Time 12:00	Date 5/24/96 Time 10:05
Relinquished by <i>W. DeGung</i>	Received by <i>W. DeGung</i>
Date 5/24/96 Time 10:05	Date 5-24-96 Time 11:42
Relinquished by <i>W. DeGung</i>	Received by laboratory <i>Pratt Brin</i>
Date 5-24-96 Time 11:42	Date 5-24-96 Time 1142

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Peg
 REC. BY (PRINT): Michael

WORKORDER: 9605 H99
 DATE OF LOG-IN: 5/29/96

CIRCLE THE APPROPRIATE RESPONSE.		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*		1	A-C	MW-1	3 UOA	L	5B	
2. Custody Seal Nos.: Put in Remarks Section		2		MW-2				
3. Chain-of-Custody Records: Present / <u>Absent</u> *		3		MW-3				
4. Traffic Reports or Packing List: Present / <u>Absent</u>		4	✓	MW-4	↓	↓	↓	
5. Airbill: Airbill / Sticker Present / <u>Absent</u>		5	A-B	TB-1	2 UOA	↓	↓	
6. Airbill No.:								
7. Sample Tags: Present / <u>Absent</u> *								
Sample Tag Nos.: <u>Listed</u> / Not Listed on Chain-of-Custody								
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample tags agree? <u>Yes</u> / No*								
10. Proper preservatives used: <u>Yes</u> / No*								
11. Date Rec. at Lab: <u>5/24-96</u>								
12. Temp. Rec. at Lab: <u>12°C</u>								
13. Time Rec. at Lab: <u>1142</u>								

Handwritten note: TB 5/24-96

* If Circled, contact Project manager and attach record of resolution

FIELD SERVICES / O & M REQUEST

SITE INFORMATION FORM

Project #:330-107.2I

1st time visit

Station #:2162

1st 2nd 3rd 4th

Date of Request: 5/96

Site Address:15135 Hesperian blvd.
San Leandro, California

Monthly

Ideal Field Date:

Semi-Monthly

County:Alameda

Weekly

Budget Hrs. _____

Project Manager:Kelly Brown

One time Event

Actual Hrs. 2.5

Requestor: Kelly Romero

Other. _____ Mob de Mob 2.5

Client:Arco

Client P.O.C.:Mike Whelan Total Purge = 70.5 Gal

Prefield contacts:

Field Tasks: For General Description

Second quarter 1996 groundwater sampling event: DTW/DTL on all wells from TOB/TOC
Sample per attached protocol

WA# 19348 00

Comments, remarks, from Field Staff (include problems encountered)

Completed by:

W. Rehn

Date:

5/23/96

Checked by: _____

FIELD DATA SHEET

WELL SAMPLE FIELD DATA SHEET

PROJECT No.: 330 107 21 LOCATION: 15135 Hesperian Blvd San Leandro WELL ID #: MW-1
 CLIENT/STATION No.: Acco # 2162 FIELD TECHNICIAN: W. Reish

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC _____
 Depth to water: 7.95 TOB 7.70 TOC _____
 Total depth: _____ TOB 15.93 TOC _____
 Date: 5/23/96 Time (2400): 9:30

Probe Type and I.D. #
 Oil/Water interface
 Electronic indicator
 Other: _____

CASING DIAMETER	GAL/LINEAR FT.
<input type="checkbox"/> 2	0.17
<input type="checkbox"/> 3	0.38
<input checked="" type="checkbox"/> 4	0.66
<input type="checkbox"/> 4.5	0.83
<input type="checkbox"/> 5	1.02
<input type="checkbox"/> 6	1.5
<input type="checkbox"/> 8	2.6

SAMPLE TYPE
 Groundwater
 Duplicate
 Extraction well
 Trip blank
 Field blank
 Equipment blank
 Other: _____

TD 15.93 - DTW 7.70 = 8.23 Gal/Linear x Foot .66 = 5.43 x Casings 3 = Calculated Purge 16.29

DATE PURGED: 5/23/96 START: 9:55 END (2400 hr): 10:40 PURGED BY: W. Reish
 DATE SAMPLED: 5/23/96 START: 10:10 END (2400 hr): 10:15 SAMPLED BY: W. Reish

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
<u>10:00</u>	<u>5:50</u>	<u>6.71</u>	<u>810</u>	<u>70.5</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>10:05</u>	<u>11:0</u>	<u>6.88</u>	<u>830</u>	<u>70.3</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>10:10</u>	<u>16:50</u>	<u>6.90</u>	<u>790</u>	<u>69.9</u>	<u>Cloudy</u>	<u>Light</u>	<u>None</u>

Pumped dry Yes No

Cobalt 0-100: Clear, Cloudy, Yellow, Brown
 NTU 0-200: Heavy, Moderate, Light, Trace
 Strong, Moderate, Faint, None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D. #

Bailer: _____
 Centrifugal Pump: _____
 Other: _____
 Airlift Pump: _____
 Dedicated: _____

SAMPLING EQUIPMENT/I.D. #

Bailer: G-11
 Dedicated: _____
 Other: _____

WELL ID #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
<u>MW-1</u>	<u>5/23/96</u>	<u>10:15</u>	<u>3</u>	<u>40ml</u>	<u>VOA</u>	<u>HCL</u>	<u>Gas/Btex</u>

REMARKS: _____

NATURE: Water for



PACIFIC ENVIRONMENTAL GROUP, INC.

FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 330 107 21 LOCATION: 15135 Hesperian Blvd San Heardon WELL ID #: MU17
 CLIENT/STATION No.: Arco #2162 FIELD TECHNICIAN: W. Reck

WELL INFORMATION

Depth to Liquid: _____ TOB _____ TOC _____
 Depth to water: 7.17 TOB 6.80 TOC _____
 Total depth: _____ TOB 16.0 TOC _____
 Date: 5/23/96 Time (2400): 9:35

CASING DIAMETER

- | | | | |
|-------------------------------------|-----|-------|------|
| <input type="checkbox"/> | 2 | _____ | 0.17 |
| <input type="checkbox"/> | 3 | _____ | 0.38 |
| <input checked="" type="checkbox"/> | 4 | _____ | 0.66 |
| <input type="checkbox"/> | 4.5 | _____ | 0.83 |
| <input type="checkbox"/> | 5 | _____ | 1.02 |
| <input type="checkbox"/> | 6 | _____ | 1.5 |
| <input type="checkbox"/> | 8 | _____ | 2.6 |

GAL/ LINEAR FT.

SAMPLE TYPE

- Groundwater
 Duplicate
 Extraction well
 Trip blank
 Field blank
 Equipment blank
 Other: _____

Probe Type and I.D. #
 Oil/Water interface
 Electronic indicator
 Other: _____

TD 16.0 - DTW 6.80 = 9.2 Gal/Linear x Foot .66 = 6.07 x Number of Casings 3 = Calculated = Purge 18.21

DATE PURGED: 5/23/96 START: 10:20 END (2400 hr): 10:35 PURGED BY: W. Reck
 DATE SAMPLED: 5/23/96 START: 10:35 END (2400 hr): 10:40 SAMPLED BY: W. Reck

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 2.5°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
<u>10:35</u>	<u>6.25</u>	<u>7.02</u>	<u>800</u>	<u>64.5</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>10:30</u>	<u>12.50</u>	<u>7.00</u>	<u>830</u>	<u>65.7</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>10:35</u>	<u>18.75</u>	<u>6.98</u>	<u>840</u>	<u>66.3</u>	<u>Cloudy</u>	<u>light</u>	<u>None</u>

Pumped dry Yes No

Cobalt 6-100
 Clear
 Cloudy
 Yellow
 Brown
 NTU 0-200
 Heavy
 Moderate
 Light
 Trace
 Strong
 Moderate
 Faint
 None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: _____ TOB/TOC _____

PURGING EQUIPMENT/I.D.

- Bailer: _____
 Centrifugal Pump: _____
 Other: _____
 Airlift Pump: _____
 Dedicated: _____

SAMPLING EQUIPMENT/I.D.

- Bailer: G-7
 Dedicated: _____
 Other: _____

MP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
<u>MU-2</u>	<u>5/23/96</u>	<u>10:40</u>	<u>3</u>	<u>40ml</u>	<u>VOA</u>	<u>HCL</u>	<u>Gas/Btex</u>

MARKS: _____

NATURE: Water



PACIFIC ENVIRONMENTAL GROUP, INC.

FIELD DATA SHEET

WELL SAMPLE FIELD DATA SHEET

PROJECT No.: 330 107 21 LOCATION: 15135 Hesperian Blvd San WELL ID #: MW-3
Beardon

CLIENT/STATION No.: Arco # 2162 FIELD TECHNICIAN: W Reub

WELL INFORMATION

Depth to Liquid: TOB TOC
 Depth to water: 7.38 TOB 7.18 TOC
 Total depth: TOB 14.95 TOC
 Date: 5/23/96 Time (2400): 9:40

Probe Type and I.D. #
 Oil/Water interface
 Electronic indicator
 Other:

CASING DIAMETER	GAL/LINEAR FT.
<input type="checkbox"/> 2	0.17
<input type="checkbox"/> 3	0.38
<input checked="" type="checkbox"/> 4	0.66
<input type="checkbox"/> 4.5	0.83
<input type="checkbox"/> 5	1.02
<input type="checkbox"/> 6	1.5
<input type="checkbox"/> 8	2.6

SAMPLE TYPE
 Groundwater
 Duplicate
 Extraction well
 Trip blank
 Field blank
 Equipment blank
 Other:

TD 14.95 - DTW 7.18 = 7.77 Gal/Linear Foot 66 = 5.12 Number of Casings 3 Calculated = Purge 15.78

DATE PURGED: 5/23/96 START: 11:10 END (2400 hr): 11:25 PURGED BY: W Reub
 DATE SAMPLED: 5/23/96 START: 11:25 END (2400 hr): 11:30 SAMPLED BY: W Reub

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
<u>11:15</u>	<u>5.25</u>	<u>6.98</u>	<u>800</u>	<u>77.1</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>11:20</u>	<u>10.50</u>	<u>6.91</u>	<u>850</u>	<u>75.0</u>	<u>Brown</u>	<u>Mod</u>	<u>None</u>
<u>11:25</u>	<u>15.75</u>	<u>6.92</u>	<u>860</u>	<u>73.9</u>	<u>Cloudy</u>	<u>light</u>	<u>None</u>

Pumped dry Yes No

Cobalt 0-100
 Clear
 Cloudy
 Yellow
 Brown

NTU 0-200
 Heavy
 Moderate
 Light
 Trace

Strong
 Moderate
 Faint
 None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: TOB/TOC

PURGING EQUIPMENT/I.D.

Bailer: Airlift Pump:
 Centrifugal Pump: Dedicated:
 Other:

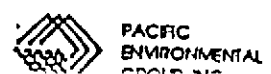
SAMPLING EQUIPMENT/I.D.

Bailer: G-9
 Dedicated:
 Other:

IP. CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
<u>MW-3</u>	<u>5/23/96</u>	<u>11:30</u>	<u>3</u>	<u>40ml</u>	<u>VOA</u>	<u>HCL</u>	<u>Gas/BTEX</u>

REMARKS:

SIGNATURE: Walter Reub



FIELD DATA SHEET

WATER SAMPLE FIELD DATA SHEET

PROJECT No.: 330 107 21 LOCATION: 15135 Hesperian Blvd San Ramon WELL ID #: MW-4

CLIENT/STATION No.: Acad # 2162 FIELD TECHNICIAN: W. Reck

WELL INFORMATION

Depth to Liquid: TOB TOC
 Depth to water: 8.48 TOB 8.22 TOC
 Total depth: TOB 17.72 TOC
 Date: 5/23/96 Time (2400): 9:45

Probe Type and I.D. #
 Oil/Water interface
 Electronic indicator
 Other:

CASING DIAMETER **GAL/LINEAR FT.**

<input type="checkbox"/>	2	_____	0.17
<input type="checkbox"/>	3	_____	0.38
<input checked="" type="checkbox"/>	4	_____	0.66
<input type="checkbox"/>	4.5	_____	0.83
<input type="checkbox"/>	5	_____	1.02
<input type="checkbox"/>	6	_____	1.5
<input type="checkbox"/>	8	_____	2.6

SAMPLE TYPE

Groundwater
 Duplicate
 Extraction well
 Trip blank
 Field blank
 Equipment blank
 Other:

TD 17.72 - DTW 8.22 = 9.5 Gal/Linear Foot .66 = 6.27 x Number of Casings 3 = Calculated = Purge 18.81

DATE PURGED: 5/23/96 START: 10:45 END (2400 hr): 11:00 PURGED BY: W. Reck
 DATE SAMPLED: 5/23/96 START: 11:00 END (2400 hr): 11:05 SAMPLED BY: W. Reck

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 25°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
10:50	6.50	6.73	760	73.6	Brown	Mod	None
10:55	13.0	6.86	790	71.3	Brown	M.d	None
11:00	19.50	6.89	800	70.9			

Pumped dry Yes/ No

Cobalt 0-100
Clear
Cloudy
Yellow
Brown

NTU 0-200
Heavy
Moderate
Light
Trace

Strong
Moderate
Faint
None

FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:

DTW: TOB/TOC

PURGING EQUIPMENT/I.D. #

Bailer: _____
 Centrifugal Pump: _____
 Other: _____

Airlift Pump: _____
 Dedicated: _____

SAMPLING EQUIPMENT/I.D. #

Bailer: 29-1
 Dedicated: _____
 Other: _____

MP, CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
<u>MW-4</u>	<u>5/23/96</u>	<u>11:05</u>	<u>3</u>	<u>40ml</u>	<u>VOA</u>	<u>HCl</u>	<u>Gas/BTEX</u>

REMARKS: _____

NATURE: Water/Soil

FIELD DATA SHEET

JEP, SAMPLE FIELD DATA SHEET

PROJECT No.: 330 107 21 LOCATION: 15135 Hesperian Blvd San Leandro WELL ID #: TB-1

CLIENT/STATION No.: Arco #2162 FIELD TECHNICIAN: W. Reish

WELL INFORMATION

Depth to Liquid: TOB TOC
 Depth to water: TOB TOC
 Total depth: TOB TOC
 Date: 5/23/96 Time (2400):

Probe Type and I.D. #
 Oil/Water interface
 Electronic indicator
 Other:

CASING DIAMETER GAL/ LINEAR FT.
 2 0.17
 3 0.38
 4 0.66
 4.5 0.83
 5 1.02
 6 1.5
 8 2.6

SAMPLE TYPE
 Groundwater
 Duplicate
 Extraction well
 Trip blank
 Field blank
 Equipment blank
 Other:

TD - DTW = Gal/Linear x Foot 66 = x Number of Casings 3 Calculated = Purge

DATE PURGED: 5/23/96 START: END (2400 hr): PURGED BY: W. Reish
 DATE SAMPLED: 5/23/96 START: END (2400 hr): SAMPLED BY: W. Reish

TIME (2400 hr)	VOLUME (gal.)	pH (units)	E.C. (umhos/cm @ 2.5°C)	TEMPERATURE (°F)	COLOR	TURBIDITY	ODOR
TRIP BLANK							

Pumped dry Yes/ No
 FIELD MEASUREMENTS AT TIME OF SAMPLE, AFTER RECHARGE:
 DTW: TOB/TOC

PURGING EQUIPMENT/I.D. #
 Bailer: Airlift Pump:
 Centrifugal Pump: Dedicated:
 Other:

SAMPLING EQUIPMENT/I.D. #
 Bailer:
 Dedicated:
 Other:

AP, CNTRL #	DATE	TIME (2400)	No. of Cont.	SIZE	CONTAINER	PRESERVE	ANALYTICAL PARAMETER
<u>TB-1</u>	<u>5/23/96</u>	<u>14:15</u>	<u>3</u>	<u>40ml</u>	<u>VOA</u>	<u>HCL</u>	<u>Gas/Btex</u>

MARKS: TRIP BLANK

SIGNATURE: W. Reish



ARCO Products Company
Division of AtlanticRichfield Company

330-107-21

Task Order No. 1934800

Chain of Custody

ARCO Facility no. 2162 City (Facility) 15135
 ARCO engineer Mike Whelan Telephone no. (ARCO) Hesperian Blvd Sebastro
 Project manager (Consultant) Kelly Brown
 Telephone no. (Consultant) (408) 441 7500 Fax no. (Consultant) (408) 441 7531
 Consultant name Pacific Environmental Group Inc Address (Consultant) 2025 Gateway Place Suite 440 San Jose CA 95110
 Laboratory name Sequoia
 Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH/ EPA 1622/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 6010/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	
			Soil	Water	Other	Ice	Acid HCL															
MW-1		3		X		X	X	5/23/96	10:15		X											
MW-2		↓		↓		↓	↓		10:40													
MW-3		↓		↓		↓	↓		11:30													
MW-4		↓		↓		↓	↓		11:05													
TB-1		2		↓		↓	↓		n/a		↓											

Method of shipment

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush
1 Business Day

Rush
2 Business Days

Expedited
5 Business Days

Standard
10 Business Days

Condition of sample: Relinquished by sampler *Walter* Date 5/23/96 Time 10:00

Temperature received: Received by

Relinquished by Date Time Received by

Relinquished by Date Time Received by laboratory Date Time