2201 Broadway, Suite 101 Oakland, CA 94612-3023 Tel. 510.740.5800 Fax. 510.663.3315



June 9, 2000 Project 804760

Mr. Paul Supple ARCO Products Company PO Box 6549 Moraga, California 94570

Re: Quarterly Groundwater Monitoring Report, First Quarter 2000, for ARCO Service Station No. 2162, Located at 15135 Hesperian Boulevard, San Leandro, California

Dear Mr. Supple:

IT Corporation (IT) is submitting the attached report, which presents the results of the first quarter 2000 groundwater monitoring program at ARCO Products Company (ARCO) Service Station No. 2162, located at 15135 Hesperian Boulevard, San Leandro, California. The monitoring program complies with the Alameda County Health Care Services Agency (ACHCSA) requirements regarding underground tank investigations.

Please call if you have questions.

Sincerely,

IT Corporation

Stephen Lofholm, R.G. 4793 Technical Coordinator

Attachment: Quarterly Groundwater Monitoring Report, First Quarter 2000

cc: Mr. Scott Seery, Alameda County Health Care Services Agency Mr. John Jang, Regional Water Quality Control Board - S.F. Bay Region Mr. Mike Bakaldin, City of San Leandro Fire Department Page 1

Date: June 9, 2000

ARCO QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 2162 Address:	15135 Hesperian Boulevard, San Leandro, California
ARCO Environmental Engineer:	Paul Supple -
Consulting Co./Contact Person:	IT Corporation/Stephen Lofholm
Consultant Project No.:	804760
Primary Agency/Regulatory ID No.:	ACHCSA

WORK PERFORMED THIS QUARTER (FIRST - 2000):

- 1. Prepared and submitted quarterly groundwater monitoring report for fourth quarter 1999.
- 2. Performed quarterly groundwater monitoring and sampling for first quarter 2000.

WORK PROPOSED FOR NEXT QUARTER (SECOND - 2000):

- 1. Prepare and submit quarterly groundwater monitoring report for first quarter 2000.
- 2. Perform quarterly groundwater monitoring and sampling for second quarter 2000.

QUARTERLY MONITORING:

Current Phase of Project:	Monitoring
Frequency of Groundwater Sampling:	Quarterly: MW-1 through MW-4
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter:	None
Cumulative FP Recovered to Date:	None
Bulk Soil Removed This Quarter:	None
Bulk Soil Removed to Date:	None
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	8.1 feet
Groundwater Flow Direction and Gradient	· ·
(Average):	0.01 ft/ft toward Southwest

DISCUSSION:

- Please refer to the Fourth Quarter 1996 Groundwater Monitoring Report for historical groundwater elevation and analytical data.
- ARCO will transfer this project to another consultant. The new consultant will begin providing services during the second quarter 2000.

Page 2

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ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Data
- Table 2 Groundwater Flow Direction and Gradient
- Figure 1 Groundwater Analytical Summary Map
- Figure 2 Groundwater Elevation Contour Map
- Appendix A Sampling and Analysis Procedures
- Appendix B Certified Analytical Reports and Chain-of-Custody Documentation
- Appendix C Field Data Sheets

Table 1Groundwater Elevation and Analytical DataTotal Purgeable Petroleum Hydrocarbons(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 2162 15135 Hesperian Boulevard, San Leandro, California

	Date	Well	Depth to	Groundwater	TPPH as			Ethyl-		MTBE	MTBE	Dissolved	Purged/
Well	Gauged/	Elevation	Water	Elevation	Gasoline	Be <u>nz</u> ene	Toluene	benzene	Xylenes	8021B*	8260	Oxygen	Not Purged
Number	Sampled	(feet, MSL)	(feet, TOC)	(feet, MSL)	(ppb)	(ppb)	(ppb)	(ppb)	_ (ppb)	(ppb)	(ppb)	(ppm)	(P/NP)
MW-1	02/26/96	31.19	7.14	24.05	<50	<0.5	<0.5	<0.5	<0.5	NA	NA		(
MW-1	05/23/96	31.19	7.70	23.49	<50	<0.5	<0.5	<0.5	< 0.5	NA	NA	NA	
MW-1	08/21/96	31.19	8.75	22,44	210	<0.5	<0.5	<0.5	< 0.5	<2.5	NA	NA	
MW-1	11/20/96	31.19	8.62	22,57	91	<0.5	<0.5	<0.5	<0.5	2.6	NA	NA	
MW-1	04/01/9 7	31.19	8.70	22.49	<50	<0.5	<0.5	< 0.5	< 0.5	<2.5	NA	NA	NP
MW-1	06/10/97	31.19	8.45	22.74	94	<0.5	<0.5	0.68	0.56	6.4	NA	NA	NP
MW-1	09/17/97	31.19	9.20	21.99	<50	<0.5	<0.5	< 0.5	< 0.5	10	NA	1.0	NP
MW-1	12/12/97	31.19	8.00	23.19	<200	<2	<2	<2	<2	180	NA	2.0	NP
MW-1	03/25/98	31.19	7.00	24.19	<200	<2	<2	3	<2	180	NA	2.0	~ 14
MW-1	05/14/98	31.19	7.46	23.73	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.17	Р
MW-1	07/31/98	31.19	8.10	23.09	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.0	NP
MW-1	10/12/98	31.19	8.60	22.59	<50	<0.5	< 0.5	<0.5	<0.5	9	NA	2,5	NP
MW-1	02/11/99	31.19	7.32	23.87	<\$0	<0.5	<0.5	<0,5	<0.5	25	NA	1.0	Р
MW-1	06/23/99	31.19	8.40	22.79	55	<0.5	< 0.5	<0.5	<0.5	<3	NA	1.36	NP
MW-1	08/23/99	31.19	8.85	22.34	<50	<0.5	0.6	<0.5	<0.5	5	NA	1.42	NP
MW-1	10/27/99	31.19	8.50	22.69	<50	<0.5	<0.5	<0.5	<1	90	NA	0.83	NP
MW-1	02/09/00	31.19	8.11	23.08	<50	<0.5	<0.5	<0.5	<1	9	NA	0.77	NP
MW-2	02/26/96	30.38	6.41	23.97	770	<0.5	<0.5	45	28	NA	NA	NA	
MW-2	05/23/96	30.38	6.80	23.58	590	0.50	<0.5	35	18	NA	NA	NA	l l
MW-2	08/21/96	30.38	7.80	22.58	170	<0.5	<0.5	21	6.3	<2.5	NA	NA	ļ
MW-2	11/20/96	30.38	7.73	22.65	88	<0.5	<0.5	7.9	1.1	<2.5	NA	NA	
MW-2	04/01/97	30.38	7.83	22,55	66	<0.5	<0.5	3.6	0.56	33	NA	NA	
MW-2	06/10/97	30.38	7.52	22.86	<50	<0.5	<0.5	< 0.5	<0.5	<2.5	NA	NA	NP
MW-2	09/17/97	30.38	8.24	22.14	<50	<0.5	< 0.5	<0.5	< 0.5	<3.0	NA	0.6 '	NP
MW-2	12/12/97	30.38	7.10	23.28	<50	< 0.5	<0.5	<0.5	<0.5	<3.0	NA	1.2	NP
MW-2	03/25/98	30.38	6.27	24.11	<50	`<0.5	< 0.5	0.7	0.5	55	NA	1.0	
MW-2	05/14/98	30.38	6.54	23.84	210	<0.5	<0.5	3.3	< 0.5	42	NA	1.47	Р
MW-2	07/31/98	30.38	7.14	23.24	230	< 0.5	<0.5	3.9	< 0.5	6	NA	1.0	P

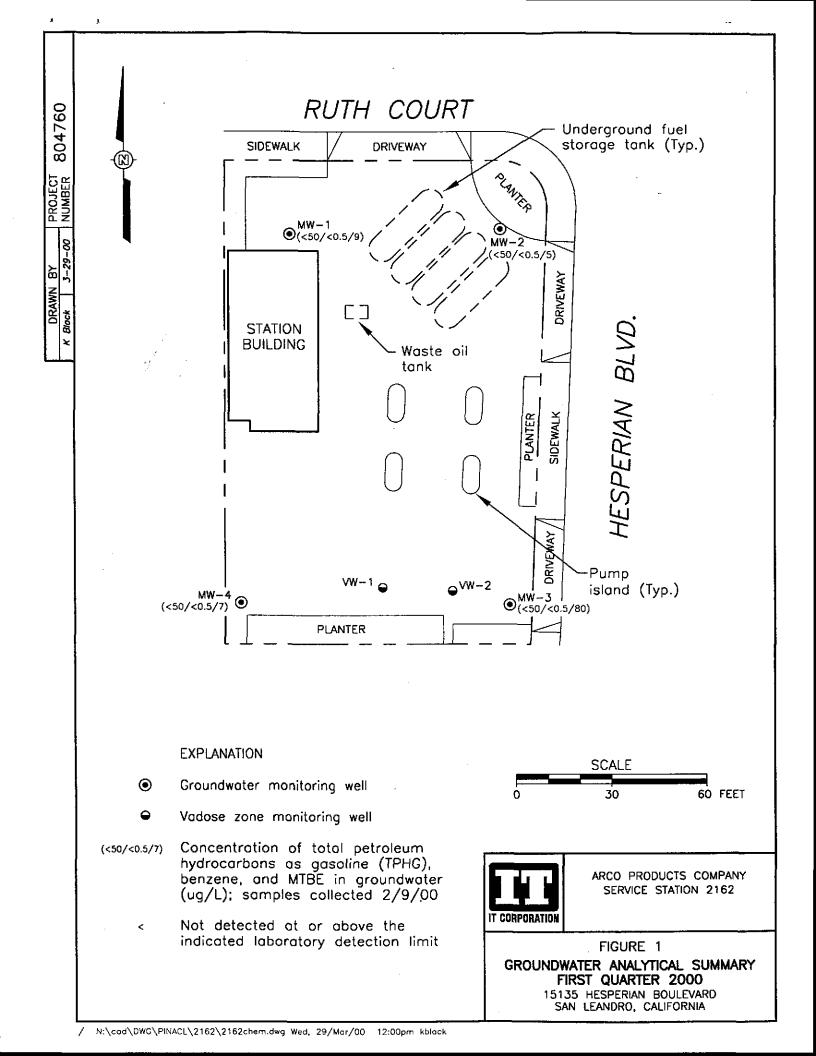
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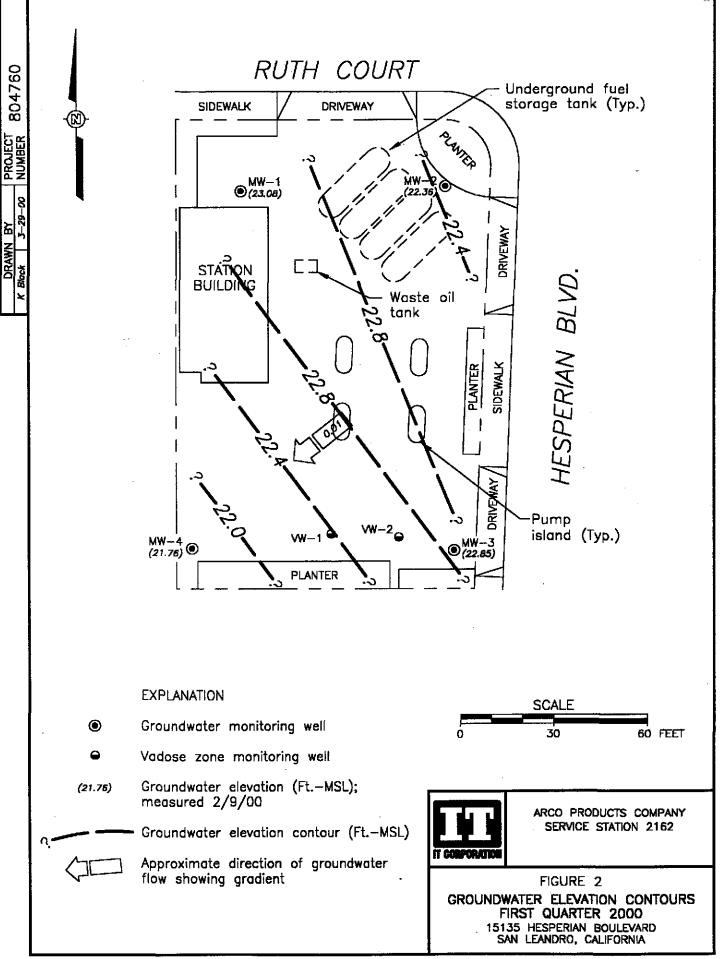
IT CORPORATION

Table 2Groundwater Flow Direction and Gradient

ARCO Service Station 2162 15135 Hesperian Boulevard, San Leandro, California

Date	Average	Average
Measured	Flow Direction	Hydraulic Gradient
02/26/96	Southwest	0.009
05/23/96	South-Southwest	0.010
08/21/96	South-Southwest	0.01
11/20/96	South-Southwest	0.011
04/01/97	South-Southwest	0.004
06/10/97	South-Southwest	0.010
09/17/97	South-Southwest	0.01
12/12/97	Southwest	0.01
03/25/98	South-Southwest	0.008
05/14/98	Southwest	0.01
07/31/98	Southwest	0.01
10/12/98	Southwest	0.01
02/11/99	Southwest	0.008
06/23/99	Southwest	0.02
08/23/99	Southwest	0.013
10/27/99	South-Southwest	0.02
02/09/00	Southwest	0.01





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APPENDIX A

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures for water quality monitoring programs are contained in this appendix. The procedures provided for consistent and reproducible sampling methods, proper application of analytical methods, and accurate and precise analytical results. Finally, these procedures provided guidelines so that the overall objectives of the monitoring program were achieved.

The following documents have been used as guidelines for developing these procedures:

- Procedures Manual for Groundwater Monitoring at Solid Waste Disposal Facilities, Environmental Protection Agency (EPA)-530/SW-611, August 1977
- Resource Conservation and Recovery Act (RCRA) Groundwater Monitoring Technical Enforcement Guidance Document, Office of Solid Waste and Emergency Response (OSWER) 9950.1, September 1986
- Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, EPA SW-846, 3rd edition, November 1986
- Methods for Organic Chemical Analysis of Municipal and Industrial Waste Water, EPA-600/4-82-057, July 1982
- Methods for Organic Chemical Analysis of Water and Wastes, EPA-600/4-79-020, revised March 1983
- Leaking Underground Fuel Tank (LUFT) Field Manual, California State Water Resources Control Board, revised October 1989

Sample Collection

Sample collection procedures include equipment cleaning, water level and total well depth measurements, and well purging and sampling.

A-1

Equipment Cleaning

Before the sampling event was started, equipment that was used to sample groundwater was disassembled and cleaned with detergent water and then rinsed with deionized water. During field sampling, equipment surfaces that were placed in the well or came into contact with groundwater during field sampling were steam cleaned with deionized water before the next well was purged or sampled.

Water Level, Floating Hydrocarbon, and Total Well Depth Measurements

Before purging and sampling occurred, the depth to water, floating hydrocarbon thickness and total well depth were measured using an oil/water interface measuring system. The oil/water interface measuring system consists of a probe that emits a continuous audible tone when immersed in a nonconductive fluid, such as oil or gasoline and an intermittent tone when immersed in a conductive fluid, such as water. The floating hydrocarbon thickness and water level were measured by lowering the probe into the well. Liquid levels were recorded relative to the tone emitted at the groundwater surface. The sonic probe was decontaminated by being rinsed with deionized water or steam cleaned after each use. A bottom-filling, clear Teflon[®] bailer was used to verify floating hydrocarbon thickness measurements of less than 0.02 foot. Alternatively, an electric sounder and a bottom-filling Teflon bailer may have been used to record floating hydrocarbon thickness and depth to water.

The electric sounder is a transistorized instrument that uses a reel-mounted, two-conductor, coaxial cable that connects the control panel to the sensor. Cable markings are stamped at 1-foot intervals. The water level was measured by lowering the sensor into the monitoring well. A low-current circuit was completed when the sensor contacted the water, which served as an electrolyte. The current was amplified and fed into an indicator light and audible buzzer, signaling when water had been contacted. A sensitivity control compensated for highly saline or conductive water. The electric sounder was decontaminated by being rinsed with deionized water after each use. The bailer was lowered to a point just below the liquid level, retrieved, and observed for floating hydrocarbon.

Liquid measurements were recorded to the nearest 0.01 foot on the depth to water/floating product survey form. The groundwater elevation at each monitoring well was calculated by subtracting the measured depth to water from the surveyed elevation of the top of the well casing. (Every attempt was made to measure depth to water for all wells on the same day.) Total well depth was then measured by lowering the sensor to the bottom of the well. Total well depth, used to calculate purge volumes and to determine whether the well screen was partially obstructed by silt, was recorded to the nearest 0.1 foot on the depth to water/floating product survey form.

Well Purging

If the depth to groundwater was above the top of screens of the monitoring wells, then the wells were purged. Before sampling occurred, a polyvinyl chloride (PVC) bailer, centrifugal pump, low-flow submersible pump, or Teflon bailer was used to purge standing water in the casing and gravel pack from the monitoring well. Monitoring wells were purged according to the protocol presented in Figure A-1. In most monitoring wells, the amount of water purged before sampling was greater than or equal to three casing volumes. Some monitoring wells were expected to be evacuated to dryness after removing fewer than three casing volumes. These low-yield monitoring wells were allowed to recharge for up to 24 hours. Samples were obtained as soon as the monitoring wells recharged to a level sufficient for sample collection. If insufficient water recharged after 24 hours, the monitoring well was recorded as dry for the sampling event.

Groundwater purged from the monitoring wells was transported in a 500-gallon water trailer, 55-gallon drum, or a 325-gallon truck-mounted tank to IT's San Jose or Sacramento office location for temporary storage. IT arranged for transport and disposal of the purged groundwater through Integrated Waste Stream Management, Inc.

Field measurements of pH, specific conductance, and temperature were recorded in a waterproof field logbook. Figure A-2 shows an example of the water sample field data sheet on which field data are recorded. Field data sheets were reviewed for completeness by the sampling coordinator after the sampling event was completed.

The pH, specific conductance, and temperature meter were calibrated each day before field activities were begun. The calibration was checked once each day to verify meter performance. Field meter calibrations were recorded on the water sample field data sheet.

Well Sampling

A Teflon bailer was the only equipment acceptable for well sampling. When samples for volatile organic analysis were being collected, the flow of groundwater from the bailer was regulated to minimize turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa were used in sampling for volatile organics. These bottles were filled completely to prevent air from remaining in the bottle. A positive meniscus formed when the bottle was completely full. A convex Teflon septum was placed over the positive meniscus to eliminate air. After the bottle was capped, it was inverted and tapped to verify that it contained no air bubbles. The sample containers for other parameters were filled, filtered as required, and capped.

When required, dissolved concentrations of metals were determined using appropriate field filtration techniques. The sample was filtered by emptying the contents of the Teflon bailer into a pressure transfer vessel. A disposable 0.45-micron acrylic copolymer filter was threaded onto the transfer vessel at the discharge point, and the vessel was sealed. Pressure was applied to the vessel with a hand pump and the filtrate directed into the appropriate containers. Each filter was used once and discarded.

Sample Preservation and Handling

The following section specifies sample containers, preservation methods, and sample handling procedures.

Sample Containers and Preservation

Sample containers vary with each type of analytical parameter. Container types and materials were selected to be nonreactive with the particular analytical parameter tested.

Sample Handling

Sample containers were labeled immediately prior to sample collection. Samples were kept cool with cold packs until received by the laboratory. At the time of sampling, each sample was logged on an ARCO chain-of-custody record that accompanied the sample to the laboratory.

Samples that required overnight storage prior to shipping to the laboratory were kept cool (4° C) in a refrigerator. The refrigerator was kept in a warehouse, which was locked when not occupied by an IT employee. A sample/refrigerator log was kept to record the date and time that samples were placed into and removed from the refrigerator.

Samples were transferred from IT to an ARCO-approved laboratory by courier or taken directly to the laboratory by the environmental sampler. Sample shipments from IT to laboratories performing the selected analyses routinely occurred within 24 hours of sample collection.

Sample Documentation

The following procedures were used during sampling and analysis to provide chain-of-custody control during sample handling from collection through storage. Sample documentation included the use of the following:

- Water sample field data sheets to document sampling activities in the field
- Labels to identify individual samples
- Chain-of-custody record sheets for documenting possession and transfer of samples
- Laboratory analysis request sheets for documenting analyses to be performed

Field Logbook

In the field, the sampler recorded the following information on the water sample field data sheet (see Figure A-2) for each sample collected:

- Project number
- Client's name
- Location
- Name of sampler
- Date and time
- Well accessibility and integrity

- Calculated and actual purge volumes
- Purging equipment used
- Sampling equipment used
- Appearance of each sample (e.g., color, turbidity, sediment)
- Results of field analyses (temperature, pH, specific conductance)
- Pertinent well data (e.g., casing diameter, depth to water, well depth)
- General comments

The water sample field data sheet was signed by the sampler and reviewed by the sampling coordinator.

Labels

Sample labels contained the following information:

• Project number

- Sampler's initials
- Sample number (i.e., well designation)
- Sample depth

• Type of preservation used (if any)

Date and time of collection

Sampling and Analysis Chain-of-Custody Record

The ARCO chain-of-custody record initiated at the time of sampling contained, at a minimum, the sample designation (including the depth at which the sample was collected), sample type, analytical request, date of sampling, and the name of the sampler. The record sheet was signed, timed, and dated by the sampler when transferring the samples. The number of custodians in the chain of possession was minimized. A copy of the ARCO chain-of-custody record was returned to IT with the analytical results.

A-5

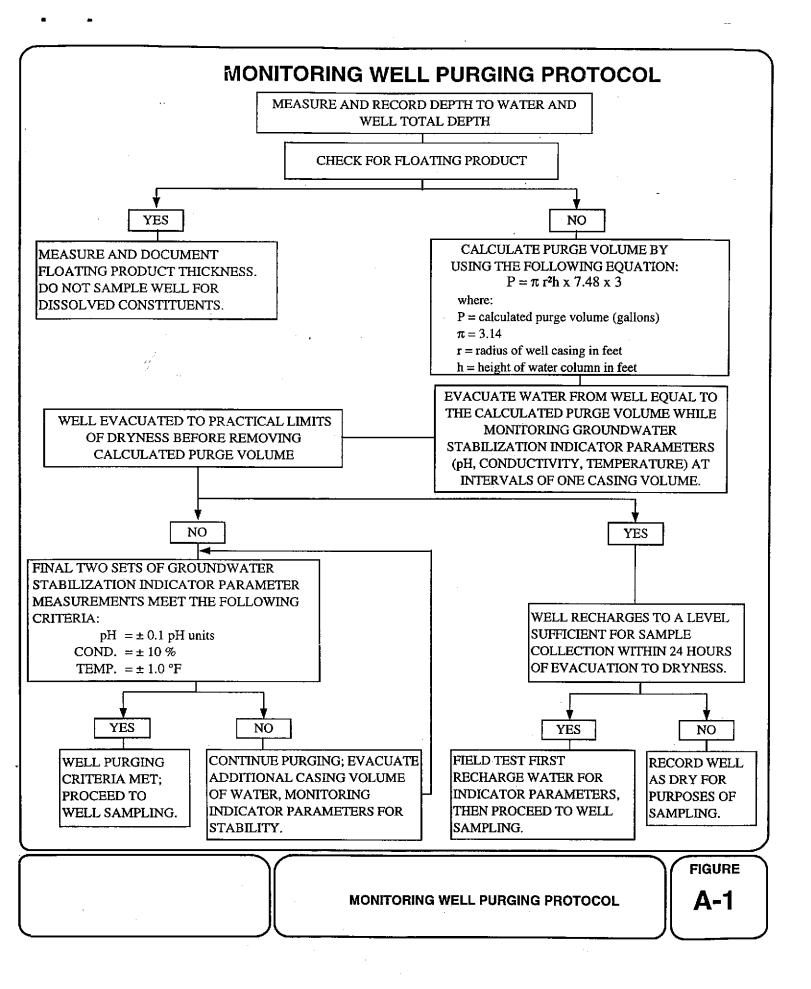
Groundwater Sampling and Analysis Request Form

A groundwater sampling and analysis request form (see Figure A-3) was used to communicate to the environmental sampler the requirements of the monitoring event. At a minimum, the groundwater sampling and analysis request form included the following information:

• Date scheduled

• Well number

- Site-specific instructions
- Specific analytical parameters
- Well specifications (expected total depth, depth of water, and product thickness)



	WATE	R SAMF	LE FIELC	DATA SH	IEET	
	PROJECT NO :			SAMPLE ID		
	PURGED BY :		· · · _		*	
5	SAMPLED BY :				;	
	indwater			Leachate	Other	
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	ATION (feet/MSL) : _			OLUME IN CASING		
	HOF WELL (feet) :			ALCULATED PURG		
DEPTH	OF WATER (feet) :	·	AC	CTUAL PURGE VOL	(gal.) :	·····
DATE	E PURGED :			END PURGE :		
DATE	SAMPLED :		SA	MPLING TIME :		
TIME	VOLUME	pН	E.C.	TEMPERATURE	TURBIDITY	TIME
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2" Bladder	Pump	Bailer (Teflon)		2" Bladder Pum	pBailer ((Teflon)
Cantrifugal	Ритр	anilar (DVC)		Romb Sampler	Bailer ((Stainless Steel)
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Submersibl	le Pumo	Bailer (Stainless St	eel)	Dipper	Subme	rsible Pump
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IT - SACRA GROUNDWATER SAMPLING AN	
PROJECT NAME :	
SCHEDULED DATE :	
PECIAL INSTRUCTIONS / CONSIDERATIONS :	Project Authorization: EMCON Project No.: OWT Project No.: Task Code: Originals To: cc:
	Well Lock Number (s)
CHECK BOX TO AUTHORIZE DATA ENIRY	Site Contact:Phone #
WellCasingCasingDepth toNumber orDiameterLengthWaterSource(inches)(feet)(feet)	ANAYSES REQUESTED
aboratory and Lab QC Istructions:	
	G AND ANALYSIS REQUEST FORM



February 16, 2000

Service Request No.: S2000482

Mr. Glen Vanderveen IT/EMCON 2201 Broadway, Suite 101 Oakland, CA 94612

TO#24118.00/RAT8/2162 SAN LEANDRO

Dear Mr. Vanderveen:

RE:

Enclosed are the results of the sample(s) submitted to our laboratory on February 9, 2000. All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply to the sample(s) analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Signature of this CAS Analytical Report confirms that pages 2 through 9, following, have been thoroughly reviewed and approved for release.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 2352, expiration: January 31, 2001).

If you have any questions, please call me at (408) 748-9700.

Respectfully submitted,

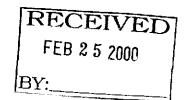
Columbia Analytical Services, Inc.

Troncales

Bernadette Troncales Project Chemist

¥or/dan

Laboratory Director



COLUMBIA ANALYTICAL SERVICES, Inc. Acronyms

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		Acronyms
ļ	2LA	American Association for Laboratory Accreditation
4	ASTM	American Society for Testing and Materials
E	BOD	Biochèmical Oxygen Demand
	BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
-	CAM	California Assessment Metals
	CARB	California Air Resources Board
	CAS Number	Chemical Abstract Service registry Number
-	FC	Chlorofluorocarbon
	CFU	Colony-Forming Unit
	COD	Chemical Oxygen Demand
	DEC DEQ	Department of Environmental Conservation
)HS	Department of Environmental Quality Department of Health Services
		Duplicate Laboratory Control Sample
)MS	Duplicate Matrix Spike
	OOE	Department of Ecology
	юн	Department of Health
	PA	U. S. Environmental Protection Agency
E	ELAP	Environmental Laboratory Accreditation Program
e	SC	Gas Chromatography
6	GC/MS	Gas Chromatography/Mass Spectrometry
- Ie	C	Ion Chromatography
- Ie	СВ	Initial Calibration Blank sample
	CP	Inductively Coupled Plasma atomic emission spectrometry
	CV	Initial Calibration Verification sample
J	ļ	Estimated concentration. The value is less than the MRL, but greater than or equal to
		the MDL. If the value is equal to the MRL, the result is actually <mrl before="" rounding.<="" th=""></mrl>
	.CS	Laboratory Control Sample
	UFT	Leaking Underground Fuel Tank
۸ ۱		Modified
	/IBAS /ICL	Methylene Blue Active Substances Maximum Contaminant Level. The highest norminaible concentration of a
n		Maximum Contaminant Level. The highest permissible concentration of a substance allowed in drinking water as established by the U. S. EPA.
R	NDL	Method Detection Limit
	//PN	Most Probable Number
	/RL	Method Reporting Limit
	AS	Matrix Spike
1	ATBE	Methyl tert-Butyl Ether
h	A	Not Applicable
h	IAN	Not Analyzed
N.	1C	Not Calculated
. Þ	ICASI	National Council of the paper industry for Air and Stream Improvement
	łD	Not Detected at or above the method reporting/detection limit (MRL/MDL)
	IIOSH	National Institute for Occupational Safety and Health
	UTU	Nephelometric Turbidity Units
	pp	Parts Per Billion
	opm Not	Parts Per Million
	PQL DA/QC	Practical Quantitation Limit Quality Assurance/Quality Control
	RCRA	Resource Conservation and Recovery Act
	RPD	Relative Percent Difference
	SIM	Selected Ion Monitoring
	SM	Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992
ę	STLC	Solubility Threshold Limit Concentration
	SW .	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846,
		3rd Ed., 1986 and as amended by Updates I, II, IIA, and IIB.
	ICLP	Toxicity Characteristic Leaching Procedure
	DS	Total Dissolved Solids
	(PH	Total Petroleum Hydrocarbons
t	r	Trace level. The concentration of an analyte that is less than the PQL but greater than or equal
-		to the MDL. If the value is equal to the PQL, the result is actually <pql before="" rounding.<="" th=""></pql>
	IRPH	Total Recoverable Petroleum Hydrocarbons
	rss Tric	Total Suspended Solids
	TLC	Total Threshold Limit Concentration Volatile Organic Analyte(s) ACRONLST.DOC 7/14/95
1	/OA	Volatile Organic Analyte(s) Page 2 ACRONLST.DOC 7/14/95

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Analytical Report

Client:	ARCO Products Company	Service Request: S2000482
Project:	TO#24118.00/RAT8/2162 SAN LEANDRO	Date Collected: 02/09/00
Sample Matrix:	Water	Date Received: 02/09/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	MW-3(14)	Units:	ug/L (ppb)
Lab Code:	S2000482-001	Basis:	NA
Test Notes:			

_ /	Prep	Analysis		Dilution	Date	Date		Result
Analyte	Method	Method	MRL	Factor	Extracted	Analyzed	Result	Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	02/10/00	ND	
Benzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Toluene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Ethylbenzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Xylenes, Total	EPA 5030	8021B	1	1	NA	02/10/00	ND	
Methyl tert -Butyl Ether	EPA 5030	8021B	3	1	NA	02/10/00	80	

Approved By: _____

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Date: 12/17/00

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Analytical Report

Client:	ARCO Products Company	Service Request:	S2000482
Project:	TO#24118.00/RAT8/2162 SAN LEANDRO	Date Collected:	02/09/00
Sample Matrix:	Water	Date Received:	02/09/00
-			

BTEX, MTBE and TPH as Gasoline

Sample Name:	MW-4(9)	Units: ug/L (ppb)
Lab Code:	S2000482-002	Basis: NA
Test Notes:		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	02/10/00	ND	
Benzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Toluene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Ethylbenzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Xylenes, Total	EPA 5030	8021B	1	1	NA	02/10/00	ND	
Methyl tert -Butyl Ether	EPA 5030	8021B	3	1	NA	02/10/00	7	

Approved By: _

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._____ Date: 02/17/00

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Analytical Report

Client:	ARCO Products Company	Service Request: S2000482
Project:	TO#24118.00/RAT8/2162 SAN LEANDRO	Date Collected: 02/09/00
Sample Matrix:	Water	Date Received: 02/09/00

BTEX, MTBE and TPH as Gasoline

Sample Name: Lab Code: Test Notes:		7-1(9) 00482-003						Units: Basis:	ug/L (ppb) NA
Analyte	7	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes

Allalyte	Michiou	Methou	MAL	Factor	BAHACCO	2 mary 200	Restar	1.0000
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	02/10/00	ND	
Benzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Toluene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Ethylbenzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Xylenes, Total	EPA 5030	8021B	1	1	NA	02/10/00	ND	
Methyl tert -Butyl Ether	EPA 5030	8021B	3	1	NA	02/10/00	9	

Approved By: _____

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. _____ Date: 02/17/00

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Analytical Report

Client:	ARCO Products Company	Service Request:	S2000482
Project:	TO#24118.00/RAT8/2162 SAN LEANDRO	Date Collected:	02/09/00
Sample Matrix:	Water	Date Received:	02/09/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	MW-2(9)	Units: ug/L (ppb)
Lab Code:	S2000482-004	Basis: NA
Test Notes:		

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	02/10/00	ND	
Benzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Toluene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Ethylbenzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Xylenes, Total	EPA 5030	8021B	1	1	NA	02/10/00	ND	
Methyl tert -Butyl Ether	EPA 5030	8021B	3	۱	NA	02/10/00	5	

Approved By:

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Date: 02/17/00

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Analytical Report

Client:	ARCO Products Company	Service Request: S2000482
Project:	TO#24118.00/RAT8/2162 SAN LEANDRO	Date Collected: NA
Sample Matrix:	Water	Date Received: NA

BTEX, MTBE and TPH as Gasoline

Sample Name: Lab Code: Test Notes:

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Method Blank S200209-WB2 Units: ug/L (ppb) Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	02/10/00	ND	
Benzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Toluene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Ethylbenzene	EPA 5030	8021B	0.5	1	NA	02/10/00	ND	
Xylenes, Total	EPA 5030	8021B	1	1	NA	02/10/00	ND	
Methyl tert -Butyl Ether	EPA 5030	8021B	3	1	NA	02/10/00	ND	

Approved By:

Date: 12/17/00

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QA/QC Report

Client: Project: Sample Matrix:	ARCO Products Company TO#24118.00/RAT8/2162 SAN LEANDRO Water	Service Request: Date Collected: Date Received: Date Extracted: Date Analyzed:	NA NA NA
	Surrogate Recovery Summary BTEX, MTBE and TPH as Gasoline		
Prep Method: Analysis Method:	EPA 5030 8021B CA/LUFT	Units: Basis:	PERCENT NA

		Test	Percent	Recovery
Sample Name	Lab Code	Notes	a,a,a-Trifluorotoluene	a,a,a-Trifluorotoluene
MW-3(14)	S2000482-001		101	96
MW-4(9)	S2000482-002		105	94
MW-1(9)	S2000482-003		100	94
MW-2(9)	S2000482-004		98	91
Lab Control Sample	S200209-LCS2		88	88
Dup Lab Control Sample	S200209-DLCS2		89	103
Method Blank	S200209-WB2		92	101

CAS Acceptance Limits: 70-130%

70-130%

Date: UR/17/00 • Approved By: _____

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QA/QC Report

Client: Project: LCS Matrix:	ARCO Products Company TO#24118.00/RAT8/2162 SAN LEANDRO Water	Service Request: Date Collected: Date Received: Date Extracted: Date Analyzed:	NA NA NA
	Laboratory Control Sample/Duplicate Laboratory Contro BTEX and TPH as Gasoline	l Sample Summary	
Sample Name: Lab Code: Test Notes:	Dup Lab Control Sample S200209-LCS2, S200209-DLCS2	Units: Basis:	ug/L (ppb) NA

]	Perc	ent F	lecovery	7	
	, (* - *	Prep	Analysis	True	Value	Re	sult			CAS Acceptance	Relative Percent	Result
Analyte	1	Method	Method	LCS	DLCS	LCS	DLCS	LCS	DLCS	Limits	Difference	Notes
Benzene		EPA 5030	8021B	25	25	24	25	96	100	75-135	4	
Toluene		EPA 5030	8021B	25	25	24	25	96	100	73-136	4	
Ethylbenzene		EPA 5030	8021B	25	25	25	26	100	104	69-142	4	
Gasoline		EPA 5030	CA/LUFT	500	500	460	470	92	94	75-135	2	

Approved By: _

Date: 02/17/0

DLCS/020597p

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ARCO	Division of Atlantic Hichneki Company														C	Chain of Custody								
ARCO Facil	^{ity} 2 ⁰ ./(12		Cit (Fa	iy acility) <	Sca.	lann	dro		Projeci (Consu	t manag Itant) /	12/1	nn		Vc.	nd	er V	leen					Laboratory name	
ARCO engli] _<		<i></i>			Telephor (ARCO)			Teleph (Consu	tan	108)	45.	3-7.	300) Fa (C	ax no. Consultai	nt)(10	<u>इ) ५</u>	157-	952	26	CAS Contract number	
Consultant	pama ŽM (on .	1-1-1	-				Address (Consulta	ant) 1921	R	ngu	vond	<u> </u>	tve.		ân	Tos	e. (A.	95	131	,		
				Matrix		Prese	rvation				10								0107000				Method of shipment Sampler	-
Sample I.D.	Lab no.	Container no.	Soli	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEXTPH ATT REPAIRED	TPH Modified 8015 Gas Diesel D	Oil and Grease 413.1 0 413.2 0	TPH EPA 418.1/SM50	EPA 601/8010	EPA 624/8240	24	TCLP Semi Metals U VOA VOA		Lead Org./DHS			W: 1.1 deliver	
mw-3(141)	Ζ	Ø	X		X	HeL	2/9/00	1350		X												Special detection Limit/reporting	
MW-4(2	D	X		X	Hel		1330		X												Lowest	
mw-1(9.)	2	B	X		X	Hel		1300		X									-			Possible.	
mw-2(Z	$\overline{\mathbb{O}}$	X		X	Hel	V	1315		X												Special QA/QC	
																							As	
								 			·												Norma	
·-																							Remarks RAT- 8 2-40mL HCL VOAS	*
			†														-						2-40ml HCL	-
																		L					VOAS	
							ļ																	
						,																	<u>H 791810</u> Lab number	
						1			1														Turnaround time	<u></u>
																,							Priority Rush 1 Business Day	
Condition of Relinquishe	· · · · · · · · · · · · · · · · · · ·		1	· ·	-		Date 2/5/0	10/	Time Time	Recei	erature ved by			re:	{ /	40	70 7	R		03-	Y Slal	 ا د ه	Rush 2 Business Days	
Relinquishe	d by		Z				Date	1	Time		ved by 4		· M		///	<u>A</u>							Expedited 5 Business Days	
Relinquishe	d by						Date		Time	Recei	ved by	laborati	ory				Date			Time		<u> </u>	Standard 10 Business Days	ø

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						DEPI			PORT NG PRODU(
			L								<u>-</u>	
	PROJI	ECT#:	792	276	ST	ATION	ADDRESS :	15135 Hesp	perian Blvd., S	an Leandro	DATE :	2/9/00
A	ARCO STATION # : 2162			62	- F	IELD TE	ECHNICIAN :	M	anuel Galleg	os	DAY :	Wednesday
DTW Order	WELL ID	Well Box Seal Condition	Type of Well Lid	Gasket Present	Lock Number	Type Of Well Cap	FIRST DEPTH TO WATER (feet)	SECOND DEPTH TO WATER (feet)	DEPTH TO FLOATING PRODUCT (feet)	FLOATING PRODUCT THICKNESS (feet)	WELL TOTAL DEPTH (feet)	COMMENTS
1	MW-3	OL	15/16"	YES	ARCO	LWC	7.45	7.45	211	NIR	14.7	Water in Box
2	MW-4	α	15/16"	YES	ARCO	LWC	8.63	8.63			17.5	Water in Box Water in Box
3	MW-1	OLC	15/16"	YES	ARCO	LWC	8.11	8.11			14.7	
4	MW-2	OIC.	15/16"	YES	ARCO	LWC	8.02	8.02	(/	V	15.7	•
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			<u> </u>						==			· · · · · · · · · · · · · · · · · · ·
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					30	JUAL						RECEIVED
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	PROJECT NO :	792276	SAMPLE ID -	MW-I(q')
		Manuel Gallegos		ARCO #2162
MCON	SAMPLED BY :	Manuel Gallegos	LOCATION :	San Leandro, California
		Surface Water		Other
ASING DIAM	1ETER (inches): 2	33	4 <u>X</u> 4.5	6 Other
			VOLUME IN CASING (
	H OF WELL (feet) :		CALCULATED PURGE (
DEPTH	OF WATER (feet) :	<u> </u>	ACTUAL PURGE VOL. ((gal.) : //
	E PURGED :		END PURGE :	
DATE	SAMPLED : <u>'2</u>	19/00	SAMPLING TIME :	/300
TIME	VOLUME	pH E	C. TEMPERATURE	COLOR TURBIDIT
(2400 HR)	(gal.)	(units) (µmhos/e	cm@25°c) (°F)	(visual) (visual)
1302	GLAB	7.13 8	14 65.8	Char Clear
	_			
	<u> </u>			
		<u></u>		<u> </u>
<u> </u>	·····	<u> </u>		<u></u>
				N/A N/A COBALT 0-100) (NTU 0-200 N/A
		,	· · · ·	
PUR	GING EOUIPMEN	Τ	SAMPLING	EOUIPMENT
2" Blade	der Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Teflon)
2" Blade Centrifu	der Pump	Bailer (Teflon) Bailer (PVC)	2" Bladder Pump Bomb Sampler	Bailer (Teflon) Bailer (Stainless Steel
2" Blade Centrifu Submer	der Pump gal Pump sible Pump	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel)	2" Bladder Pump Bomb Sampler Dipper	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump
2* Blade Centrifu Submer: Well W	der Pump gal Pump sible Pump	Bailer (Teflon) Bailer (PVC)	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated
2" Blade Centrifu Submer	der Pump gal Pump sible Pump	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel)	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump
2* Blade Centrifu Submer: Well W	der Pump gal Pump sible Pump izardÔ	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other:	der Pump gal Pump sible Pump izardÔ	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2* Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2" Blade Centrifu Submer: Well W Other: ELL INTEGR	der Pump gal Pump sible Pump izardÔ utry:	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Disp	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated posable Teflon Bailer
2" Blade Centrifu Submer: Well W Other: ELL INTEGR EMARKS:	der Pump gal Pump sible Pump izardÔ UTY: O/C C//	Bailer (Teflon) Bailer (PVC) Bailer (Stainless Steel) Dedicated	2" Bladder Pump Bomb Sampler Dipper Well WizardÔ Other: Dis Lulcon	Bailer (Teflon) Bailer (Stainless Steel Submersible Pump Dedicated Dosable Teflon Bailer LOCK: <u>ARC</u> J

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	ΡΡΑΙΓΟΥΝΟ -	7011772		101-7	(c)
		792276 Manuel Gallegos		<u>Μω-2</u> ARCO #2	
MCONs	SAMPLED BY :	Manuel Gallegos	LOCATION :	San Leandro, C	
			Leachate	Other	
			4 <u>X</u> 4.5	6 Other	
			VOLUME IN CASING	(gal.):	2
		15.7			
DEPTH	OF WATER (feet) :	8.02	ACTUAL PURGE VOL.	(gal.):	
	E PURGED :		END PURGE :		
DATE	SAMPLED : Z	19/00	SAMPLING TIME :	1315	<u>.</u>
TIME	VOLUME	pH E	.C. TEMPERATURE	COLOR	TURBIDIT
(2400 HR)		(units) (µmhos/d		(visual)	(visual)
1315	GRAD	7.11 7	54 64.8	Clean	<u>Char</u>
OTHER: Diss	solved Oxygen= 🖉	2.69	DDOR: <u>Nore</u>	N/A	N/A
FIELD OC SA	MPLES COLLECT	TED AT THIS WELL (i.		(COBALT 0-100) N/A	(NTU 0-200)
	GING EOUIPMEN			EOUIPMENT	
FUR		_		·	
	ler Pump	Bailer (Teflon)	2" Bladder Pump		
2" Bladd	·		Bomb Sampler	Bailer (S	tainless Steel)
Centrifu	gal Pump	Bailer (PVC)			3-1- D
Centrifu Submers	gal Pump	Bailer (Stainless Steel)	Dipper	Submers	ible Pump
Centrifu Submers Well Wi	gal Pump	/	Dipper Well WizardÔ	Submerst	d
Centrifu Submers Well Wi	gal Pump	Bailer (Stainless Steel)	Dipper Well WizardÔ	Submers	d
Centrifu Submers Well Wi Other:	gal Pump sible Pump zardÔ	Bailer (Stainless Steel)	Dipper Well WizardÔ	Submers: Dedicate posable Teflon Baile	d .r
Centrifu Submers Well Wi Other:	gal Pump sible Pump zardÔ	Bailer (Stainless Steel)	Dipper Well WizardÔ	Submers: Dedicate posable Teflon Baile	d r
Centrifu Submers Well Wi Other: ELL INTEGR	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d r
Centrifu Submers Well Wi Other: ELL INTEGR	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel)	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d .r
Centrifu Submers Well Wi Other: TELL INTEGR	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d r
Centrifu Submers	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d r
Centrifu Submers Well Wi Other: 'ELL INTEGR	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d r
Centrifu Submers Well Wi Other: 'ELL INTEGR EMARKS:	gal Pump sible Pump zardÔ JTY:	Bailer (Stainless Steel) Dedicated Scamples	Dipper Well WizardÔ Other: Dis	Submers: Dedicate posable Teflon Baile	d MR.c.C
Centrifu Submers Well Wi Other: 'ELL INTEGR EMARKS: I, E.C., Temp. M	gal Pump sible Pump zardŌ ITY: Ø G11 feter Calibration: Date:	Bailer (Stainless Steel) Dedicated Scamples	Dipper Well WizardÔ Other: Dis	Submers: Dedicate: posable Teflon Baile LOCK:	d MRCC

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PROJECT NO :	792276	SAMPLE ID :	MW-3	
-	Manuel Gallegos			2
MCON SAMPLED BY :	Manuel Gallegos	LOCATION :	San Leandro, Ca	
TYPE: Groundwater X	Surface Water	Leachate	Other	
CASING DIAMETER (inches):	23	4 <u>X</u> 4.5	6 Other	-
ASING ELEVATION (feet/MSL):N/A	VOLUME IN CASING	(gal.) : (/ .	73
DEPTH OF WELL (feet): <u>/\$.7</u>	CALCULATED PURGE	(gal.) : <u>14</u> .	<u>z/</u>
DEPTH OF WATER (feet	7.45	ACTUAL PURGE VOL.	(gal.): / Ł	1.5
DATE PURGED :	2-9-0-	END PURGE :	1347	• • • • •
	2-9-00	SAMPLING TIME :	1350	
TIME VOLUME	pH E	.C. TEMPERATURE	COLOR T	URBIDITY
(2400 HR) (gal.)		+	(visual)	(visual)
1342 5.0	6.21 6	88 66.5	Closer M	01
1344 10.0	6.43 7	55 67.3	<u> </u>	/ 1
1347 14.5	6.61 7	<u>74 67.2</u>		
	<u></u>		<u> </u>	
		······		
	· · · · · ·	_		
OTHER: Dissolved Oxygen=	0.8/	<u></u>	N/A	N/A
			, .	NTU 0-200)
FIELD QC SAMPLES COLLE	CIED AT THIS WELL (I.	e. FB•1, XDUP•1):	N/A	
PURGING EQUIPME	NT	SAMPLING	EQUIPMENT	
	Bailer (Teflon)	2" Bladder Pump	Bailer (Tefi	on)
2" Bladder Pump				1 0. 0
2" Bladder Pump Centrifugel Pump	Bailer (PVC)	Bornb Sampler	Bailer (Stai	niess Steel)
	Bailer (PVC) Bailer (Stainless Steel)	Bornb Sampler	Bailer (Stai: Submersible	
Centrifugel Pump				
Centrilugel Pump Submersible Pump	Bailer (Stainless Steel)	Dipper Well WizardÔ	Submersible	
Centrifugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel)	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrilugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel)	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrilugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other:	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Dis	Submersible Dedicated posable Teflon Bailer	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other: VELL INTEGRITY: OK EMARKS: G11	Bailer (Stainless Steel) Dedicated	Dipper Well WizardÔ Other: Disp	Submersible Dedicated posable Teflon Bailer LOCK:	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other: VELL INTEGRITY: CALL INT	Bailer (Stainless Steel) Dedicated	me: Meter	Submersible Dedicated Dosable Teflon Bailer LOCK: <u></u>	e Pump
Centrifugel Pump Submersible Pump Well WizardÔ Other: VELL INTEGRITY: OK EMARKS: G11	Bailer (Stainless Steel) Dedicated	me: Meter	Submersible Dedicated posable Teflon Bailer LOCK:	e Pump

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WATER SAMPLE F	IELD DATA SHEET Rev.
PROJECT NO : 792276 PURGED BY : Manuel Gallegos CMCON SAMPLED BY : Manuel Gallegos TYPE: Groundwater X Surface Water	LOCATION : San Leandro, California
CASING DIAMETER (inches): 2 3	4 <u>X</u> 4.5 <u>6</u> Other
ASING ELEVATION (feet/MSL) : N/A DEPTH OF WELL (feet) : 17.5 DEPTH OF WATER (feet) : 8.63	
DATE PURGED : DATE SAMPLED :	END PURGE :
TIME VOLUME pH E.C (2400 HR) (gal.) (units) (µmhos/cn 1333 GLAB 7.11 8.4	n@25°c) (°F) (visual) (visual)
OTHER: <u>Dissolved Oxygen= ク. ヿイ</u> の FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e	(COBALT 0-100) (NTU 0-200)
PURGING EOUIPMENT	SAMPLING EQUIPMENT
2" Bladder Pump Bailer (Teflon) Centrifugal Pump Bailer (PVC) Submerstble Pump Bailer (Stainless Steel) Well WizardÔ Dedicated Other:	2" Bladder Pump Bailer (Teflon) Bomb Sampler Bailer (Stainless Steel) Dipper Submersible Pump Well WizardÔ Dedicated Other: Disposable Teflon Bailer
VELL INTEGRITY: OK EMARKS: Q1 SG mplug	LOCK: <u>Allo</u>
H, E.C., Temp. Meter Calibration: Date: <u>2/9/00</u> Tin C. 1000 / pH 7 /	ne: Meter Serial No.: 7/297 pH 10 pH 4 /
	REVIEWED BY MALE OF OF

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ARCO	Prod	UCTS		pany Company	\$			Task O	rder No.	241	118	, oc)									Chain of Custody
ARCO Facil	ity go./(12		Ci (Fi	ty acility) <	San	Lean	100		Project (Consu	t manag (tant)	671	enn		Va	n de	r V	leer				Laboratory name
ARCO engli	Pau	1 .5		sle.			Telephoi (ARCO)	ne no.		Teleph (Consu	one no. Itanu	108)	45	3-7	302		K NO. Disuitar	nn(1/0	ક)	157-	9576	CAS Contract number
Consultant	name ZM(ion.						Address (Consult	ani) /97/	R	ngu	nood		L.Ve.	ک	ān	Jos	č. (CA.	95	131	
				Matrix		Prese	ervation				15 E					i i			07000			Method of shipment
Sample I.D.	Lab no.	Container no.	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEXTPH TACTURE BTEXTPH ATTRE EPA MOOZEDOTS	TPH Modified 8015 Gas Diesel D	Oit and Grease 413.1 🔲 413.2 🗆	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals UOA UOA		Lead Ong-DHS		Method of shipment Sampler W: It de liver
mw-3(14)	Ζ		X			Hel	2/9/00	1350		X											Special detection
Mw-4(4 N	2		1		X	Hel		1330		X											- Lowest
mw-1(Z		X		X	Hel		1300		X											Poss;bla.
<u>mw-2(</u>		Z				X	Hel		1315		X											Special QA/QC
																						Klorma
																						Remarks RAT- 8
																						Remarks RAT- 8 2-40mc HCL VOAS
						·																_
							-															<u>H 79/8/0</u> Lab number
		_																				Turnaround time
																						Priority Rush 1 Business Day
Condition of Relinquished	•	oler Mal	Ľ				Date 2/5/0	10/	Time	Receiv	erature ved by	receive	d: 	· ŕ	in	D)		~	(J	States	Rush 2 Business Days
Refinquished	d by		· · · · · ·				Date	1	Time	· · · ·	ved by ²		<u>an tan tan</u> Sita sa	<u>a (</u> 1. (Ú		·	- 1	1			Expedited 5 Business Days
Relinquished	1 by	·					Date		Time	Receiv	ved by I	laborate)ry			1	ate			Time		Standard 10 Business Days

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant APC-3292 (2-91)

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