R 78

Delta
Environmental Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S A.
916/638-2085
FAX: 916/638-8385

December 20, 2000

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

Subject: *Quarterly Groundwater Monitoring Report, Third Quarter 2000*
ARCO Service Station No. 374
6407 Telegraph Avenue
Oakland, California 94609
Delta Project No. D000-302

Dear Mr. Supple:

Delta Environmental Consultants, Inc. is submitting the attached report that presents the results of the third quarter 2000 groundwater monitoring program at ARCO Products Company Service Station No. 374, located at 6407 Telegraph Avenue, Oakland, California. The monitoring program complies with the California Regional Water Quality Control Board requirements regarding underground tank investigations.

The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeological and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions concerning this project, please contact Steven W. Meeks at (916) 536-2613.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Trevor L. Atkinson
Project Engineer

Steven W. Meeks, C.E.
Project Manager
California Registered Civil Engineer No. C057461

TLA (LRP002.302.doc)
Enclosures

cc: Ms. Susan Hugo – Alameda County Health Care Services
Mr. John Kaiser – California Regional Water Quality Control Board, San Francisco Bay Region

Date: December 20, 2000

ARCO QUARTERLY GROUNDWATER MONITORING REPORT

Station No.: 374 Address:	6407 Telegraph Avenue, Oakland, CA
ARCO Environmental Engineer/Phone No.:	Paul Supple 925-299-8891
Consulting Co./Contact Person	Delta Environmental Consultants, Inc. Steven W. Meeks, P.E.
Consultant Project No.:	D000-302
Primary Agency/Regulatory ID No.	California Regional Water Quality Control Board San Francisco Bay Region

WORK PERFORMED THIS QUARTER

1. Performed quarterly groundwater monitoring for the third quarter 2000.

WORK PROPOSED FOR NEXT QUARTER

1. Prepare and submit quarterly groundwater monitoring report for the third quarter 2000.
2. Perform quarterly groundwater monitoring and sampling for the fourth quarter 2000.

QUARTERLY MONITORING:

Current Phase of Project	Monitoring/Remediation
Frequency of Groundwater Sampling:	Annual (2nd Quarter): MW-1, MW-2, MW-6 Semi-annual (2nd/4th Quarter): MW-3, MW-4 Quarterly: MW-5
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:	Intrinsic Bioremediation
Approximate Depth to Groundwater:	7.55 feet
Groundwater Gradient:	0.034 ft/ft toward southwest

DISCUSSION:

- Oxygen releasing compound replacement currently being evaluated to continue intrinsic bioremediation in MW-3 and MW-4.

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 Historical Groundwater Elevation Analytical Data Table
  Groundwater Flow Direction and Gradient Table
  Intrinsic Bioremediation Evaluation and Enhancement Data
- Appendix C Certified Analytical Reports with Chain–of–Custody Documentation
- Appendix D Field Data Sheet

TABLE 1

GROUNDWATER ANALYTICAL DATA

ARCO Service Station 374
6407 Telegraph Avenue
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as Gasoline (µg/L)	MTBE (µg/L)
MW-1	6/20/00	158.91	6.86	152.05	NS	NS	NS	NS	NS	NS
	9/28/00		7.50	151.41	NS	NS	NS	NS	NS	NS
MW-2	6/20/00	157.92	7.67	150.25	NS	NS	NS	NS	NS	NS
	9/28/00		8.51	149.41	NS	NS	NS	NS	NS	NS
MW-3	6/20/00	153.64	6.42	147.22	<0.5	<0.5	<0.5	<1.0	<50	<10
	9/28/00		7.31	146.33	NS	NS	NS	NS	NS	NS
MW-4	6/20/00	156.53	7.50	149.03	5,100	440	1,000	1,700	20,000	<250
	9/28/00		8.20	148.33	NS	NS	NS	NS	NS	NS
MW-5	6/20/00	151.33	7.84	143.49	<0.5	<0.5	<0.5	<1.0	<50	<10
	9/28/00		8.37	142.96	<0.5	<0.5	<0.5	<0.5	<50	<2.5
MW-6	6/20/00	153.84	4.79	149.05	NS	NS	NS	NS	NS	NS
	9/28/00		5.39	148.45	NS	NS	NS	NS	NS	NS

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted

µg/L = Micrograms per liter

NM = Not measured

NC = Not calculated

NS = Not sampled

Note: Please Refer to Appendix B for Historical Groundwater Elevation and Analytical Data Tables developed by IT

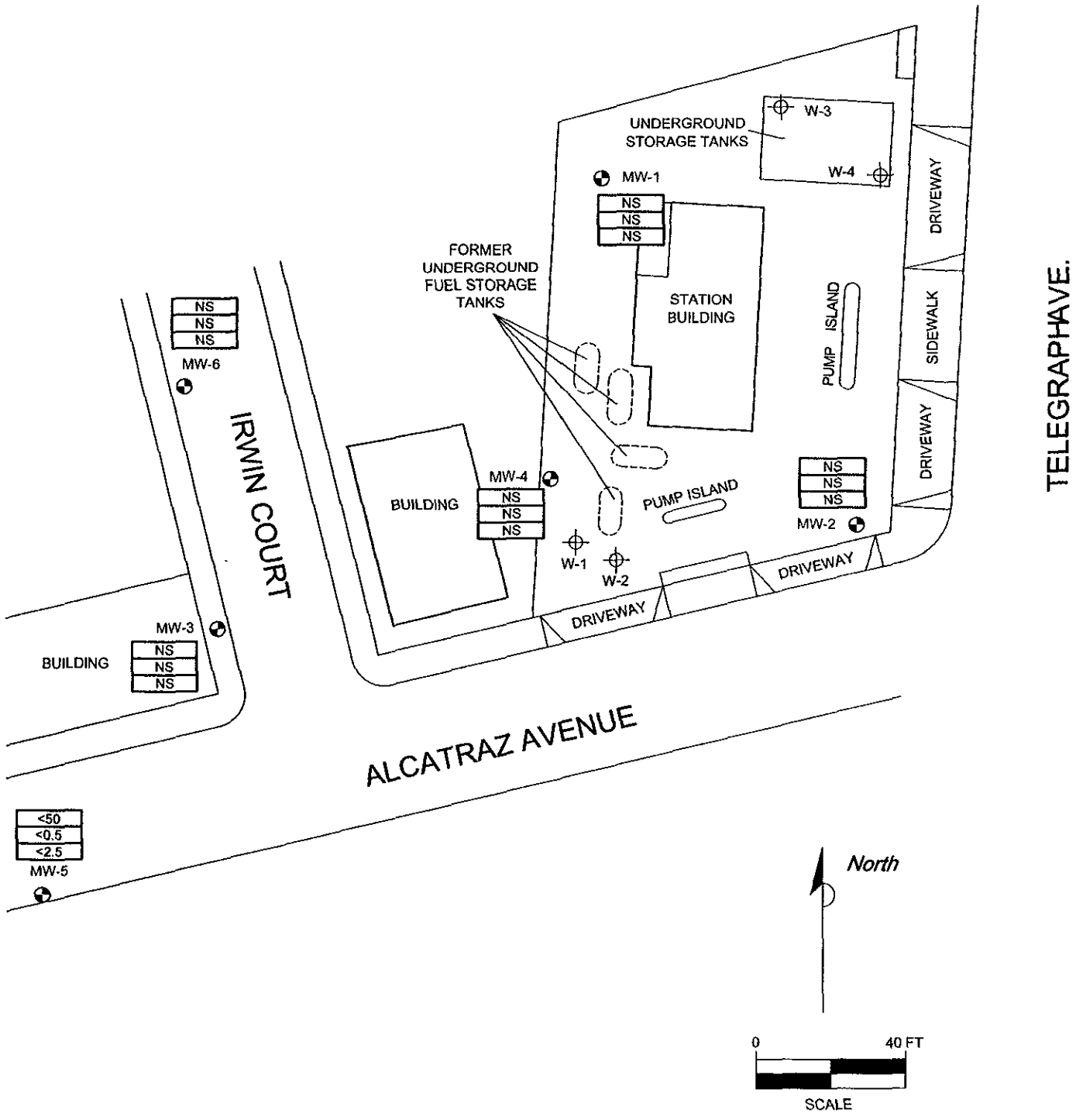
TABLE 2

GROUNDWATER FLOW DIRECTION AND GRADIENT

ARCO Service Station No. 374
6407 Telegraph Avenue
Oakland, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
06/20/00	Southwest	0.035
09/28/00	Southwest	0.034

Note: Please refer to Appendix B for Historical Groundwater Elevation and Analytical Data Tables developed by IT Corporation



LEGEND:

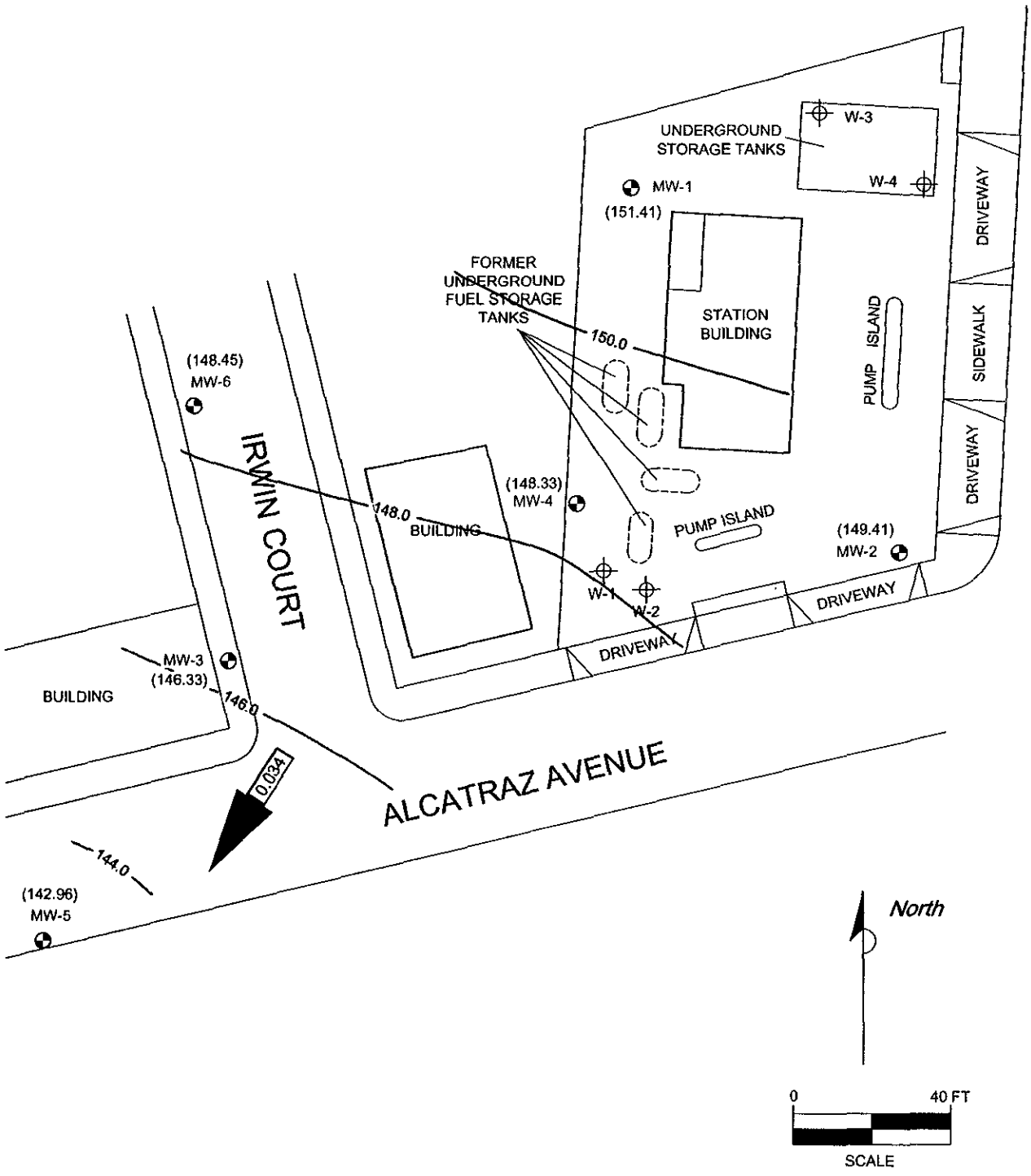
MW-1	MONITORING WELL LOCATION
W-1	TANK PIT MONITORING WELL LOCATION
<50	TPH AS GASOLINE IN MICROGRAMS PER LITER
<0.5	BENZENE IN MICROGRAMS PER LITER
<2.5	MTBE IN MICROGRAMS PER LITER
NS	NOT SAMPLED

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 1
GROUND WATER ANALYTICAL SUMMARY
THIRD QUARTER 2000 (9/28/00)
ARCO STATION NO. 374
6407 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. D000-302	DRAWN BY TLA 12/01/00
FILE NO. 374-1	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

MW-1	MONITORING WELL LOCATION
W-1	TANK PIT MONITORING WELL LOCATION
(152.05)	GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
150.0	WATER TABLE CONTOUR IN FEET ABOVE MSL
	GROUND WATER FLOW DIRECTION
0.034	APPROXIMATE GROUND WATER FLOW GRADIENT

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 2
GROUND WATER ELEVATION CONTOUR MAP
THIRD QUARTER 2000 (9/28/00)
ARCO STATION NO. 374
6407 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. D000-302	DRAWN BY TLA 12/01/00
FILE NO. 374-1	PREPARED BY TLA
REVISION NO 1	REVIEWED BY

Delta Environmental Consultants, Inc.

APPENDIX A

Sampling and Analysis Procedures

FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE HYDROCARBON DEPTH ASSESSMENT

A water/liquid-phase hydrocarbon (LPH) interface probe was used to assess the thickness of LPH, if present, and a water level indicator was used to measure ground water depth in monitoring wells that did not contain LPH. Depth to ground water was measured from the top of each monitoring well casing. The tip of the water level indicator was subjectively analyzed for LPH sheen. All measurements and physical observations were recorded in the field.

2.0 SUBJECTIVE ANALYSIS OF GROUND WATER

Prior to purging, a water sample was collected from the monitoring well for subjective analysis. The sample was retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer was then retrieved and the sample contained within the bailer was examined for LPH and the appearance of a LPH sheen.

3.0 MONITORING WELL PURGING AND SAMPLING

Monitoring wells were purged using a centrifugal pump or disposable bailers until pH, temperature, and conductivity of the purge water had stabilized and a minimum of three to four well volumes of water had been removed. Ground water removed from the wells was stored in 55-gallon barrels at the site. The barrels were labeled with corresponding monitoring well numbers and the date of purging. After purging, ground water levels were allowed to stabilize. A ground water sample was then removed from each of the wells using a dedicated disposable bailer. If the well was purged dry, it was allowed to sufficiently recharge and a sample was collected. Samples were collected in air-tight vials, appropriately labeled, and stored on ice from the time of collection through the time of delivery to the laboratory. A chain-of-custody form was completed to document possession of the samples. Ground water samples were transported to the laboratory and analyzed within the EPA-specified holding times for the requested analyses. Purge water will be collected from the storage barrels in a vacuum truck and transported to an appropriate facility for treatment and/or disposal.

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 previously stated in the first paragraph of this sub-section. 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.

APPENDIX B

IT Corporation
Historical Groundwater Elevation and Analytical Data Table
Groundwater Flow Direction and Gradient Table
Intrinsic Bioremediation Evaluation and Enhancement Data

APPPENDIX C

Certified Analytical Reports
And
Chain-of-Custody Documentation

Sequoia Analytical

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

October 16, 2000

Steven Meeks
Delta Environmental Consultants - Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670

RE: ARCO 374, Oakland, CA/S010027

Dear Steven Meeks

Enclosed are the results of analyses for sample(s) received by the laboratory on October 2, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sandra R. Hanson
Client Services Representative

Lito Diaz For
Laboratory Director

CA ELAP Certificate Number 1624

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Sacramento, CA 95834
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FAX (916) 921-0100
www.sequoialabs.com

Delta Environmental Consultants - Rancho Cordova	Project:	ARCO 374, Oakland, CA	Sampled: 9/28/00
3164 Gold Camp Drive Ste. 200	Project Number:	N/A	Received: 10/2/00
Rancho Cordova, CA 95670	Project Manager:	Steven Meeks	Reported: 10/16/00

ANALYTICAL REPORT FOR S010027

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-5-8	S010027-01	Water	9/28/00
TB	S010027-02	Water	9/28/00

Sequoia Analytical

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Delta Environmental Consultants - Rancho Cordova	Project:	ARCO 374, Oakland, CA	Sampled: 9/28/00
3164 Gold Camp Drive Ste. 200	Project Number:	N/A	Received: 10/2/00
Rancho Cordova, CA 95670	Project Manager:	Steven Meeks	Reported: 10/16/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Sacramento

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-5-8			**S010027-01**				**Water**	
Purgeable Hydrocarbons	0100132	10/12/00	10/12/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*60.0-140*		*101*	%	
TB			**S010027-02**				**Water**	
Purgeable Hydrocarbons	0100132	10/12/00	10/12/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*60.0-140*		*95.3*	%	

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Delta Environmental Consultants - Rancho Cordova	Project:	ARCO 374, Oakland, CA	Sampled: 9/28/00
3164 Gold Camp Drive Ste. 200	Project Number:	N/A	Received: 10/2/00
Rancho Cordova, CA 95670	Project Manager:	Steven Meeks	Reported: 10/16/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Sacramento

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0100132	**Date Prepared: 10/12/00**					**Extraction Method: EPA 5030B (MeOH)**				
Blank	**0100132-BLK1**									
Purgeable Hydrocarbons	10/12/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*60.0-140*	*100*			
LCS	**0100132-BS1**									
Benzene	10/12/00	10.0		10.7	ug/l	70.0-130	107			
Toluene	"	10.0		10.5	"	70.0-130	105			
Ethylbenzene	"	10.0		10.9	"	70.0-130	109			
Xylenes (total)	"	30.0		32.3	"	70.0-130	108			
Methyl tert-butyl ether	"	10.0		11.4	"	70.0-130	114			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.96*	"	*60.0-140*	*99.6*			
Matrix Spike	**0100132-MS1**		**S010011-02**							
Benzene	10/12/00	10.0	ND	10.7	ug/l	60.0-140	**107**			
Toluene	"	10.0	ND	10.5	"	60.0-140	**105**			
Ethylbenzene	"	10.0	ND	11.0	"	60.0-140	**110**			
Xylenes (total)	"	30.0	ND	32.7	"	60.0-140	**109**			
Methyl tert-butyl ether	"	10.0	ND	11.3	"	60.0-140	**113**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*60.0-140*	*102*			
Matrix Spike Dup	**0100132-MSD1**		**S010011-02**							
Benzene	10/12/00	10.0	ND	11.8	ug/l	60.0-140	**118**	25.0	**9.78**	
Toluene	"	10.0	ND	11.8	"	60.0-140	**118**	25.0	**11.7**	
Ethylbenzene	"	10.0	ND	11.5	"	60.0-140	**115**	25.0	**4.44**	
Xylenes (total)	"	30.0	ND	34.5	"	60.0-140	**115**	25.0	**5.36**	
Methyl tert-butyl ether	"	10.0	ND	14.1	"	60.0-140	**141**	25.0	**22.0**	1
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*60.0-140*	*100*			

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Delta Environmental Consultants - Rancho Cordova	Project:	ARCO 374, Oakland, CA	Sampled: 9/28/00
3164 Gold Camp Drive Ste. 200	Project Number:	N/A	Received: 10/2/00
Rancho Cordova, CA 95670	Project Manager:	Steven Meeks	Reported: 10/16/00

Notes and Definitions

#	Note
1	The RPD and/or spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

ARCO Products Company ◇
Division of AtlanticRichfieldCompany

Task Order No. 2598900

Chain of Custody

ARCO Facility no.	374
City (Facility)	OAKland
Project manager (Consultant)	Steve Meeks
Laboratory name	~~Columbia~~ Sequoia
ARCO engineer	Paul Supple
Telephone no. (ARCO)	
Telephone no. (Consultant)	638-2065
Fax no. (Consultant)	638-8385
Contract number	
Consultant name	Delta
Address (Consultant)	Rancho Cordova

Sample I.D.	Lab no.	Container no.	Matrix: Soil	Matrix: Water	Matrix: Other	Preservation: Ice	Preservation: Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH +MTBE EPA M602/8020/8015	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 ☐ VOA ☐ Semi VOA ☐	CAM Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead EPA 7420/7421 ☐		
MW-5-8		4		X		X	X	9-28-00	1106		X					S010027-01						
TB		2		X		X	X	9-28-00	800		X								-02			

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:

Temperature received:

Relinquished by sampler	Date	Time	Received by
[signature]	10-2-00	1040	[signature]

Relinquished by	Date	Time	Received by
[signature]	10-2-00	1135	Monica Gregoen 10/2/00 1135

Relinquished by	Date	Time	Received by laboratory	Date	Time

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant

APPENDIX D

Field Data Sheets

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Direct: (916) 638-2085
Fax: (916) 638-8385

Arco Site Address: **6407 Telegraph Avenue, Oakland, California**
Arco Site Number: **374**
Delta Project No.: **D000-302**
Arco Project Manager: **Paul Supple**
Delta Project PM: **Steven W. Meeks**
Site Contact & Phone Number:
Site Sampled By: **Doulos Environmental**
Date Sampled: **09/28/00**

Water Level Data						Purge Volume Calculations					Sampling Analytes					Sample Record		
Well ID	Time	Depth to Water (feet)	Top of Screen Interval (feet)	Total Depth of Well (feet)	Check if Purge Not Required	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	Three Casing Volumes (gallons)	Actual Water Purged (gallons)	BTEX (8020) VOA	TPH-g (8015M) VOA	MTBE (8020) VOA	Other	Dissolved Oxygen (mg/L)	Sample Freqency (A, S, Q)	Sample I.D.	Sample Time
MW-1	9:45	**7.50**	**7.0**	**26.3**	☐	18.81	**4 inch**	**2.0**	37.6	N/A	☐	☐	☐	☐	NM	A/2		
MW-2	9:49	**8.51**	**7.0**	**25.9**	☐	17.37	**4 inch**	**2.0**	34.7	N/A	☐	☐	☐	☐	NM	A/2		
MW-3	9:55	**7.31**	**7.0**	**26.5**	☐	19.14	**4 inch**	**2.0**	38.3	N/A	☐	☐	☐	☐	NM	S/5,11		
MW-4	10:00	**8.20**	**7.0**	**26.6**	☐	18.36	**4 inch**	**2.0**	36.7	N/A	☐	☐	☐	☐	NM	S/5,11		
MW-5	10:05	**8.37**	**10.0**	**22.7**	☐	14.31	**4 inch**	**2.0**	28.6	28	☑	☑	☑	☐	0.81	Q/2,5,8,11	**MW-5**	
MW-6	10:10	**5.39**	**5.0**	**14.5**	☐	9.11	**4 inch**	**2.0**	18.2	N/A	☐	☐	☐	☐	NM	A/2		
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
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					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				

(A)-Casing Water Column: Depth to Bottom - Depth to Water **(B)-Multiplier Values:** (2" Well: 0.5) (4" Well: 2.0) (6" Well: 4.4)

Sampling Sequence: **Annual:** MW-1, MW-2, MW-3; **Semi-Annual:** MW-3, MW-4; **Quarterly:** MW-5

Sampling Notes: List depth of Sample on C.O.C. [I.e. MW-1(30)]. Make Sure to Note on C.O.C. "Provide Lowest Reporting Limit Available." Original Copies of Field Sampling Sheets are Located in Project File
If the water level is below the top of the screen, take a grab sample and check box for NO PURGE (NP). If the water level is above the screen, purge as normal.

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Direct: (916) 638-2085
Fax: (916) 638-8385

Arco Site Address: **6407 Telegraph Avenue, Oakland, California**
Arco Site Number: **374**
Delta Project No.: **D000-302**
Arco Project Manager: **Paul Supple**
Delta Project PM: **Steven W. Meeks**
Site Contact & Phone Number:
Site Sampled By: **Doulos Environmental**
Date Sampled: **09/28/00**

Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-1																	
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-2																	
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-3																	
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-4																	
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-5	10:45	22.6	7.01	588	1												
	10:47	22.1	6.96	573	2												
	10:49	21.8	6.91	570	3												
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume
MW-6																	
Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume	Well ID	Time	Temp °C	pH Units	Sp. Cond.	Volume

Notes: NP = NO PURGE

Original Copies of Field Sampling Sheets are Located in Project File