



ENVIRONMENTAL
PROTECTION

00 FEB -5 AM 9:03

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

January 18, 2001

Mr. John Sullivan
17760 Sweetbriar Place
Castro Valley, CA 94546

Subject: *Quarterly Groundwater Monitoring Report, Third Quarter 2000*
Chateau Manor Apartments
724 Lewelling Boulevard
San Leandro, California
Delta Project No. D000-303

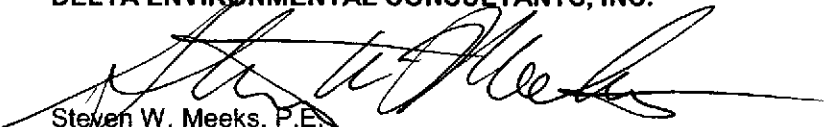
Dear Mr. Sullivan:

Delta Environmental Consultants, Inc. is submitting the attached copy of the laboratory analytical results (Enclosure A) for the groundwater sample collected from ~~monitoring wells MW-8 and MW-10~~ during the third quarter 2000. This well is located at the Chateau Manor Apartments, 724 Lewelling Boulevard, San Leandro, California. The groundwater sample was collected during quarterly sampling of the ARCO Products Company Service Station No. 0601, located at 712 Lewelling Boulevard, San Leandro, California.

If you have any questions regarding this letter, please call Steven Meeks at (916) 536-2613.

Sincerely,

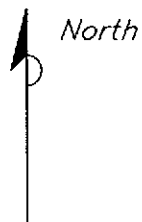
DELTA ENVIRONMENTAL CONSULTANTS, INC.


Steven W. Meeks, P.E.
Project Manager

SWM (CL002.303.doc)

Enclosure

cc: Mr. Paul Supple – ARCO Products Company
Mr. Scott Seery – Alameda County Health Care Services



LEWELLING BOULEVARD

DRIVEWAY

SIDEWALK

ARCO SERVICE
STATION 601

APPROXIMATE PROPERTY LINE

EXISTING
BUILDING

⊕ MW-9

⊕ MW-10

LEGEND:

⊕ MW-9 MONITORING WELL LOCATION



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

FIGURE 1

SITE MAP

CHATEAU MANOR APARTMENTS
724 LEWELLING BOULEVARD
SAN LEANDRO, CALIFORNIA

PROJECT NO. D000-303	DRAWN BY TLA 9/28/00
FILE NO. CHATEAU-1	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY



ENCLOSURE A

Copy of Certified Analytical Results for
Monitoring Wells MW-9, MW-10 and
Chain of Custody



Sequoia
Analytical

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

January 21, 2001

Steven Meeks
Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670
RE: ARCO 601, San Leandro, CA / S010031

Enclosed are the results of analyses for samples received by the laboratory on 10/02/00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sandra R. Hanson

Sandra R. Hanson
Client Services Representative

R. L. Bobel
For

Lito Diaz
Laboratory Director

CA ELAP Certificate Number 1624





Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 601, San Leandro, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
01/21/01 13:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9-8	S010031-04	Water	09/29/00 00:00	10/02/00 11:35
MW-10-8	S010031-05	Water	09/29/00 00:00	10/02/00 11:35





Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 601, San Leandro, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
01/21/01 13:09

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9-8 (S010031-04) Water Sampled: 09/29/00 00:00 Received: 10/02/00 11:35									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0100132	10/12/00	10/12/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	3.44	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.7 %	60-140		"	"	"	"	
MW-10-8 (S010031-05) Water Sampled: 09/29/00 00:00 Received: 10/02/00 11:35									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0100132	10/12/00	10/12/00	DHS LUFT	
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		90.2 %	60-140		"	"	"	"	





Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 601, San Leandro, CA
Project Number: N/A
Project Manager: Steven Mocks

Reported:
01/21/01 13:09

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0100132 - EPA 5030B (MeOH)										
Blank (0100132-BLK1)				Prepared & Analyzed: 10/12/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
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: <i>a,a,a</i> -Trifluorotoluene	10.0		"	10.0		100	60-140			
LCS (0100132-BS1)				Prepared & Analyzed: 10/12/00						
Benzene	10.7	0.500	ug/l	10.0		107	70-130			
Toluene	10.5	0.500	"	10.0		105	70-130			
Ethylbenzene	10.9	0.500	"	10.0		109	70-130			
Xylenes (total)	32.3	0.500	"	30.0		108	70-130			
Methyl tert-butyl ether	11.4	2.50	"	10.0		114	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.96		"	10.0		99.6	60-140			
Matrix Spike (0100132-MS1)				Source: S010011-02	Prepared & Analyzed: 10/12/00					
Benzene	10.7	0.500	ug/l	10.0	ND	107	60-140			
Toluene	10.5	0.500	"	10.0	ND	105	60-140			
Ethylbenzene	11.0	0.500	"	10.0	ND	110	60-140			
Xylenes (total)	32.7	0.500	"	30.0	ND	109	60-140			
Methyl tert-butyl ether	11.3	2.50	"	10.0	ND	113	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.2		"	10.0		102	60-140			
Matrix Spike Dup (0100132-MSD1)				Source: S010011-02	Prepared & Analyzed: 10/12/00					
Benzene	11.8	0.500	ug/l	10.0	ND	118	60-140	9.78	25	
Toluene	11.8	0.500	"	10.0	ND	118	60-140	11.7	25	
Ethylbenzene	11.5	0.500	"	10.0	ND	115	60-140	4.44	25	
Xylenes (total)	34.5	0.500	"	30.0	ND	115	60-140	5.36	25	
Methyl tert-butyl ether	14.1	2.50	"	10.0	ND	141	60-140	22.0	25	Q-02
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.0		"	10.0		100	60-140			





Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 601, San Leandro, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
01/21/01 13:09

Notes and Definitions

Q-02 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

RPD Relative Percent Difference



Division of Atlantic Richfield Company

Task Order No. 2599000

Chain of Custody

[illegible]



December 20, 2000

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

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. 601
712 Lewelling Boulevard
San Leandro, California
Delta Project No. D000-303

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. 601, located at 712 Lewelling Boulevard, San Leandro, California. The monitoring program complies with the Alameda County Health Care Services Agency 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, P.E.
Project Manager
California Registered Civil Engineer No. C057461



TLA (Lrp002.303.doc)
Enclosures

cc: Mr. Scott Seery – Alameda County Health Care Services Agency
Mr. Mike Bakaldin – San Leandro Fire Department

Providing a Competitive Edge

00 DEC 27 AM 11:16
ENVIRONMENTAL
PROTECTION

Date: December 20, 2000

ARCO QUARTERLY GROUNDWATER MONITORING REPORT

Station No.:	601	Address:	712 Lewelling Boulevard, San Leandro, 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.:	D000-303		
Primary Agency/Regulatory ID No.	Alameda County Health Care Services Agency		

WORK PERFORMED THIS QUARTER

1. Performed quarterly groundwater monitoring for third quarter 2000.

WORK PROPOSED FOR NEXT QUARTER

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

QUARTERLY MONITORING:

Current Phase of Project	Monitoring/Remediation with ORC
Frequency of Groundwater Sampling:	Annual (1 st Quarter): MW-2, MW-11, MW-13 Semi-Annual (1 st /3 rd Quarter) MW-9, MW-15 Quarterly: MW-1, MW-3 through MW-8, MW-10 MW-14
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter:	None
Cumulative FP Recovered to Date:	3.45 gallons, Well MW-1
Bulk Soil Removed This Quarter:	None
Bulk Soil Removed to Date:	1,565 cubic yards of TPH impacted soil
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	8.18 feet
Groundwater Gradient:	0.020 ft/ft toward east southeast

DISCUSSION:

- Methyl tertiary butyl ether was reported in MW-8 and MW-9 at concentrations of 438 and 3.44 micrograms per liter ($\mu\text{g/L}$), respectively.
- Total petroleum hydrocarbons as gasoline was reported in MW-1, MW-3 and MW-8 at concentrations ranging from 149 $\mu\text{g/L}$ (MW-8) to 51,000 $\mu\text{g/L}$ (MW-3).
- Benzene was reported in MW-1 and MW-3 at concentrations of 2,880 and 860 $\mu\text{g/L}$, respectively.

ARCO QUARTERLY GROUNDWATER MONITORING REPORT (continued)

ARCO Service Station No. 601

December 20, 2000

Page 2

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 Data Tables (IT Corporation)
- Appendix C Certified Analytical Reports with Chain-of-Custody Documentation
- Appendix D Field Data Sheet

TABLE 1

GROUNDWATER ANALYTICAL DATA

ARCO Service Station No. 601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as Gasoline (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)
MW-1	06/20/00	19.19	8.20	10.99	2,400	50	1,800	680	23,000	<200	NA
	09/29/00		8.55	10.64	2,880	<50	2,130	871	23,600	<250	430 ^a /1,100 ^b
MW-2	06/20/00	21.12	7.12	14.00	NS	NS	NS	NS	NS	NS	NS
	09/29/00		7.60	13.52	NS	NS	NS	NS	NS	NS	NS
MW-3	06/20/00	22.99	6.22	16.77	670	990	2,400	12000	45,000	<500	NA
	09/29/00		7.20	15.79	860	1,120	2,720	12900	51,000	<250	NA
MW-4	06/20/00	22.38	6.46	15.92	210	20	94	520	2,700	46	NA
	09/29/00		DRY	DRY	NS	NS	NS	NS	NS	NS	NS
MW-5	06/20/00	22.45	6.78	15.67	3,000	650	260	700	10,000	<200	NA
	09/29/00		DRY	DRY	NS	NS	NS	NS	NS	NS	NS
MW-6	06/20/00	22.77	DRY	DRY	NS	NS	NS	NS	NS	NS	NS
	09/29/00		DRY	DRY	NS	NS	NS	NS	NS	NS	NS
MW-7	06/20/00	22.89	DRY	DRY	NS	NS	NS	NS	NS	NS	NS
	09/29/00		DRY	DRY	NS	NS	NS	NS	NS	NS	NS
MW-8	06/20/00	20.89	7.23	13.66	<0.5	0.9	<0.5	<1.0	150	310	NA
	09/29/00		7.91	12.98	< 0.5	<0.5	<0.5	<0.5	149	310	NA
MW-9	06/20/00	22.26	8.01	14.25	NS	NS	NS	NS	NS	NS	NS
	09/29/00		8.44	13.82	<0.5	<0.5	<0.5	<0.5	<50	3.44	NA
MW-10	06/20/00	21.33	7.99	13.34	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0	NA
	09/29/00		8.40	12.93	< 0.5	< 0.5	< 0.5	<0.5	<50	<2.50	NA

TABLE 1

GROUNDWATER ANALYTICAL DATA

ARCO Service Station No. 601
712 Lewelling Boulevard
San Leandro, 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)	Semi Volatiles (µg/L)
MW-11	06/20/00	20.97	8.18	12.79	NS	NS	NS	NS	NS	NS	NS
	09/29/00		8.60	12.37	NS	NS	NS	NS	NS	NS	NS
MW-12	06/20/00	20.11	8.55	11.56	NS	NS	NS	NS	NS	NS	NS
	09/29/00		8.98	11.13	NS	NS	NS	NS	NS	NS	NS
MW-13	06/20/00	20.75	7.56	13.19	NS	NS	NS	NS	NS	NS	NS
	09/29/00		8.27	12.48	NS	NS	NS	NS	NS	NS	NS
MW-14	06/20/00	20.90	9.16	11.74	<0.5	<0.5	<0.5	<1.0	<50	<10	NA
	09/29/00		9.48	11.42	< 0.5	< 0.5	< 0.5	<0.5	<50	<2.50	NA
MW-15	06/20/00	22.08	5.98	16.10	NS	NS	NS	NS	NS	NS	NS
	09/29/00		6.50	15.58	< 0.5	< 0.5	< 0.5	<0.5	<50	<2.50	NA

^a 2-methylnaphthalene

^b Naphthalene

TPH = Total Petroleum Hydrocarbons

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

µg/L = Micrograms per liter

NA = Not analyzed

NS = Not sampled

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

TABLE 2

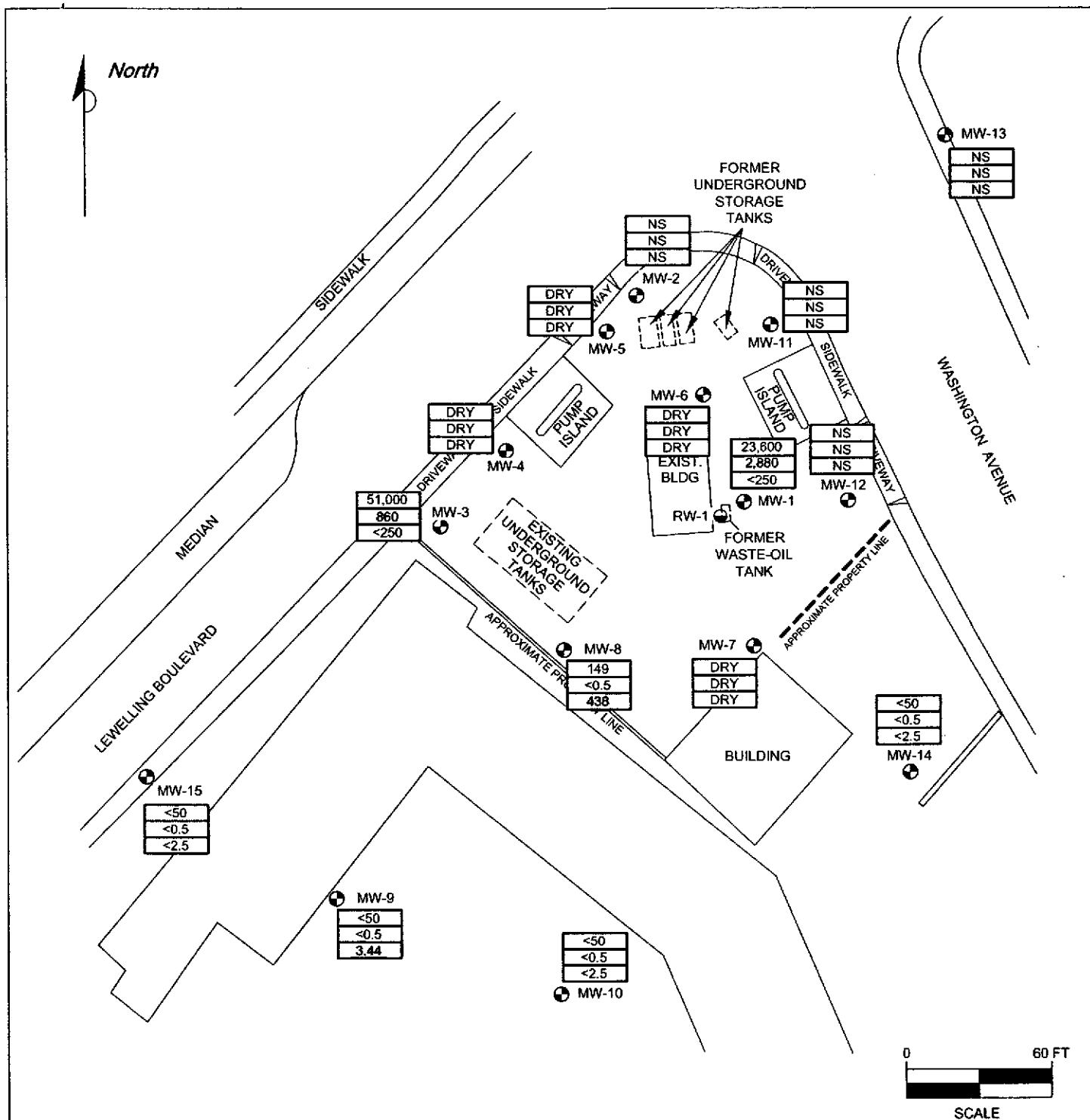
GROUNDWATER FLOW DIRECTION AND GRADIENT

ARCO Service Station 601

712 Lewelling Boulevard
San Leandro, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
6/20/00	East-Southeast	0.02
9/29/00	East-Southeast	0.02

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



LEGEND:

- MW-1 MONITORING WELL LOCATION
 ● RW-1 SOIL VAPOR EXTRACTION WELL LOCATION

<50
<0.5
<2.5

 TPH AS GASOLINE IN MICROGRAMS PER LITER
 BENZENE IN MICROGRAMS PER LITER
 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 (9/29/00)
ARCO STATION NO. 601
712 LEWELLING BOULEVARD
SAN LEANDRO, CALIFORNIA

PROJECT NO. D000-303	DRAWN BY TLA 10/24/00
FILE NO. 601-1	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY





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 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.

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APPENDIX B

Historical Data Tables (IT Corporation)

Table 1
Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/Not Purged P/NP
MW-1	03-17-95	22.26	6.57	ND	15.69	03-17-95	120,000	5,300	370	1,500	13,000	--	--	48,000	6,200[1]		
MW-1	06-01-95	22.26	7.87	ND	14.39	06-01-95	250,000	7,100	950	3,500	21,000	--	--	38,000	190,000[1]		
MW-1	08-31-95	22.26	8.12	0.01	** 14.15	08-31-95	Not sampled: well contained floating product										
MW-1	11-27-95	22.26	8.42	Sheen	13.84	11-27-95	310,000	4,600	770	5,700	21,000	--	--	--	--		
MW-1	02-22-96	22.26	6.01	0.01	** 16.26	03-14-96	100,000	6,200	320	2,500	12,000	<1,000[1]	--	--	--		
MW-1	05-20-96	22.26	7.03	ND	15.23	05-21-96	340,000	6,600	240	4,500	22,000	<1,000	--	150	<2,500[1]		
MW-1	08-26-96	22.26	8.16	ND	14.10	08-26-96	210,000	7,900	320	3,400	15,000	<1,000	--	--	--		
MW-1	11-20-96	22.26	7.84	ND	14.42	11-20-96	62,000	5,900	77	2,000	7,700	<300	--	--	--		
MW-1	03-24-97	19.19	8.05	ND	11.14	03-24-97	170,000	6,500	<200	2,400	9,900	<1,000	--	--	--		
MW-1	05-23-97	19.19	8.42	ND	10.77	05-23-97	83,000	6,200	84	2,500	9,000	<300	--	--	--		
MW-1	08-19-97	19.19	8.65	ND	10.54	08-19-97	83,000	4,500	<100	2,200	8,100	<600	--	--	--		
MW-1	11-19-97	19.19	8.54	ND	10.65	11-19-97	250,000	4,400	<500	3,800	9,900	<3,000	--	--	--		
MW-1	02-19-98	19.19	5.57	ND	13.62	02-19-98	74,000	2,500	120	2,200	4,100	<300	--	--	--		
MW-1	04-23-98	19.19	6.92	ND	12.27	04-24-98	210,000	2,700	<500	4,200	8,300	<3,000	--	--	--	1.5	P
MW-1	07-27-98	19.19	8.14	ND	11.05	07-27-98	73,000	2,100	88	2,600	4,600	<300	--	--	--	1.0	P
MW-1	10-14-98	19.19	8.58	ND	10.61	10-14-98	47,000	2,900	<50	2,300	3,900	<300	--	--	--	1.5	P
MW-1	01-21-99	19.19	7.84	ND	11.35	01-22-99	45,000	1,400	64	2,100	2,400	<300	--	--	--	1.0	P
MW-1	05-06-99	19.19	8.00	ND	11.19	05-06-99	41,000	1,900	<20	2,800	3,400	<120	--	--	--	0.85	P
MW-1	08-23-99	19.19	8.56	ND	10.63	08-24-99	26,000	1,700	52	1,600	1,500	<75	--	--	--	0.72	P
MW-1	10-28-99	19.19	8.92	ND	10.27	10-28-99	38,000	2,500	35	2,400	2,500	<200	--	--	--	0.70	P
MW-1	02-04-00	19.19	8.48	Sheen	10.71	02-04-00	19,000	960	13	1,200	860	<60	--	--	--	2.11	P

Table 1
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MW-2	03-17-95	21.33	6.12	ND	15.21	03-17-95	10,000	460	77	260	550	--	--	--	--		
MW-2	06-01-95	21.33	6.56	ND	14.77	06-01-95	13,000	400	78	210	410	--	--	--	--		
MW-2	08-31-95	21.33	7.18	ND	14.15	08-31-95	5,000	280	18	120	140	<50	--	--	--		
MW-2	11-27-95	21.33	7.39	ND	13.94	11-27-95	3,200	230	12	77	90	--	--	--	--		
MW-2	02-22-96	21.33	5.78	ND	15.55	03-14-96	11,000	290	67	190	330	<50	--	--	--		
MW-2	05-20-96	21.33	6.27	ND	15.06	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-2	08-26-96	21.33	7.30	ND	14.03	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-2	11-20-96	21.33	7.28	ND	14.05	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-2	03-24-97	21.12	7.11	ND	14.01	03-24-97	4,800	570	6	71	32	67	--	--	--		
MW-2	05-23-97	21.12	7.44	ND	13.68	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-2	08-19-97	21.12	7.64	ND	13.48	08-19-97	Not sampled: well sampled annually, during the first quarter										
MW-2	11-19-97	21.12	7.70	ND	13.42	11-19-97	Not sampled: well sampled annually, during the first quarter										
MW-2	02-19-98	21.12	5.22	ND	15.90	02-19-98	2,000	160	50	66	230	25	--	--	--		
MW-2	04-23-98	21.12	6.24	ND	14.88	04-23-98	Not sampled: well sampled annually, during the first quarter										
MW-2	07-27-98	21.12	7.02	ND	14.10	07-27-98	Not sampled: well sampled annually, during the first quarter										
MW-2	10-14-98	21.12	7.54	ND	13.58	10-14-98	Not sampled: well sampled annually, during the first quarter										
MW-2	01-21-99	21.12	7.15	ND	13.97	01-22-99	1,700	84	4	31	10	13	--	--	--	0.5	P
MW-2	05-06-99	21.12	6.95	ND	14.17	05-06-99	Not sampled: well sampled annually, during the first quarter										
MW-2	08-23-99	21.12	7.49	ND	13.63	08-24-99	Not sampled: well sampled annually, during the first quarter										0.68
MW-2	10-28-99	21.12	7.92	ND	13.20	10-28-99	Not sampled: well sampled annually, during the first quarter										
MW-2	02-04-00	21.12	6.61	ND	14.51	02-05-00	Not sampled: well inaccessible										

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MW-3	03-17-95	20.11	5.46	ND	14.65	03-17-95	370,000	4,800	12,000	5,800	34,000	--	--	--	--		
MW-3	06-01-95	20.11	6.34	ND	13.77	06-01-95	270,000	6,000	11,000	5,200	28,000	--	--	--	--		
MW-3	08-31-95	20.11	6.60	0.02	** 13.52	08-31-95	Not sampled: well contained floating product										
MW-3	11-27-95	20.11	6.76	0.01	** 13.36	11-27-95	150,000	5,100	8,800	3,900	21,000	--	--	--	--		
MW-3	02-22-96	20.11	5.14	0.01	** 14.98	03-14-96	150,000	4,400	7,600	4,100	22,000	<3,000	--	--	--		
MW-3	05-20-96	20.11	5.17	ND	14.94	05-21-96	410,000	4,700	8,000	6,300	36,000	<3,000	--	--	--		
MW-3	08-26-96	20.11	7.04	ND	13.07	08-26-96	260,000	4,000	6,100	4,200	24,000	<2,000	--	--	--		
MW-3	11-20-96	20.11	6.26	ND	13.85	11-20-96	190,000	3,200	5,800	3,300	20,000	<1,000	--	--	--		
MW-3	03-24-97	22.99	6.94	ND	16.05	03-24-97	430,000	2,700	7,600	7,000	39,000	<5,000	--	--	--		
MW-3	05-23-97	22.99	6.98	ND	16.01	05-23-97	130,000	2,100	4,300	3,500	19,000	<700	--	--	--		
MW-3	08-19-97	22.99	7.25	ND	15.74	08-19-97	100,000	2,000	3,200	<100	19,000	<600	--	--	--		
MW-3	11-19-97	22.99	7.25	ND	15.74	11-19-97	93,000	1,700	2,400	2,800	16,000	<600	--	--	--		
MW-3	02-19-98	22.99	5.24	ND	17.75	02-19-98	80,000	620	1,200	2,500	13,000	<600	--	--	--		
MW-3	04-23-98	22.99	6.60	ND	16.39	04-24-98	130,000	1,500	2,400	3,500	18,000	<600	--	--	--	3.5	P
MW-3	07-27-98	22.99	7.00	ND	15.99	07-27-98	140,000	920	1,500	2,400	13,000	<600	--	--	--	1.0	P
MW-3	10-14-98	22.99	7.04	ND	15.95	10-14-98	300,000	1,200	2,400	5,700	32,000	970	--	--	--	1.0	P
MW-3	01-21-99	22.99	6.50	ND	16.49	01-22-99	120,000	860	1,500	2,600	14,000	<600	--	--	--	0.5	P
MW-3	05-06-99	22.99	6.90	ND	16.09	05-06-99	49,000	670	1,400	2,500	11,000	170	--	--	--	1.03	NP
MW-3	08-23-99	22.99	6.53	ND	16.46	08-24-99	51,000	440	930	2,200	9,200	<150	--	--	--	0.67	NP
MW-3	10-28-99	22.99	7.50	ND	15.49	10-28-99	1,400,000	830	4,100	15,000	78,000	<5,000	--	--	--	0.77	P
MW-3	02-04-00	22.99	6.21	ND	16.78	02-04-00	<50	<0.5	<0.5	<0.5	<1	650	--	--	--	1.61	P

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MW-4	03-17-95	20.75	6.65	ND	14.10	03-17-95	16,000	1,800	970	310	2,500	--	--	--	--		
MW-4	06-01-95	20.75	7.25	ND	13.50	06-01-95	16,000	2,800	870	380	2,700	--	--	--	--		
MW-4	08-31-95	20.75	7.75	ND	13.00	08-31-95	9,000	2,000	270	270	1,400	<100	--	--	--		
MW-4	11-27-95	20.75	7.87	ND	12.88	11-27-95	3,800	890	130	130	550	--	--	--	--		
MW-4	02-22-96	20.75	7.29	ND	13.46	03-14-96	940	150	82	19	130	<20	--	--	--		
MW-4	05-20-96	20.75	7.30	ND	13.45	05-21-96	6,700	1,100	330	120	1,100	<100	--	--	--		
MW-4	08-26-96	20.75	7.57	ND	13.18	08-26-96	14,000	2,400	510	350	2,100	<100	--	--	--		
MW-4	11-20-96	20.75	7.89	ND	12.86	11-20-96	420	55	17	11	62	<3	--	--	--		
MW-4	03-24-97	22.38	6.90	ND	15.48	03-24-97	6,800	620	150	81	1,300	<50	--	--	--		
MW-4	05-23-97	22.38	7.80	ND	14.58	05-23-97	9,000	1,300	240	200	1,600	<60	--	--	--		
MW-4	08-19-97	22.38	DRY	ND	N/A	08-19-97	Not sampled: well is dry										
MW-4	11-19-97	22.38	DRY	ND	N/A	11-19-97	3,700[1]	600	93	120	710	<60	--	--	--		
MW-4	02-19-98	22.38	6.78	ND	15.60	02-19-98	1,800	93	51	29	420	110	--	--	--		
MW-4	04-23-98	22.38	6.47	ND	15.91	04-23-98	6,500	700	110	180	1,300	93	--	--	--	0.5	P
MW-4	07-27-98	22.38	7.22	ND	15.16	07-27-98	10,000	1,400	140	290	1,900	<120	--	--	--	1.5	P
MW-4	10-14-98	22.38	7.60	ND	14.78	10-14-98	6,500	900	63	200	1,200	63	--	--	--	1.0	P
MW-4	01-21-99	22.38	7.43	ND	14.95	01-22-99	1,700	140	22	56	320	13	--	--	--	0.5	P
MW-4	05-06-99	22.38	6.55	ND	15.83	05-06-99	3,300	250	36	73	890	41	--	--	--	1.28	P
MW-4	08-23-99	22.38	7.16	ND	15.22	08-24-99	7,400	500	73	230	1,700	57	--	--	--	0.89	P
MW-4	10-28-99	22.38	8.28	ND	14.10	10-28-99	370	41	5.7	14	52	16	--	--	--	0.92	NP
MW-4	02-04-00	22.38	8.23	ND	14.15	02-04-00	310	33	7.5	11	65	8	--	--	--	2.43	P

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MW-5	03-17-95	20.90	5.51	ND	15.39	03-17-95	48,000	6,400	2,000	740	5,100	--	--	--	--		
MW-5	06-01-95	20.90	6.55	ND	14.35	06-01-95	76,000	11,000	5,400	1,400	7,700	--	--	--	--		
MW-5	08-31-95	20.90	6.80	ND	14.10	08-31-95	53,000	12,000	1,600	1,000	6,000	<500	--	--	--		
MW-5	11-27-95	20.90	7.13	ND	13.77	11-27-95	43,000	7,900	3,300	950	4,900	--	--	--	--		
MW-5	02-22-96	20.90	5.12	ND	15.78	03-14-96	52,000	9,100	3,300	940	5,000	<500	--	--	--		
MW-5	05-20-96	20.90	5.87	ND	15.03	05-21-96	55,000	9,300	3,800	1,100	5,400	<500	--	--	--		
MW-5	08-26-96	20.90	7.15	ND	13.75	08-26-96	47,000	5,300	2,100	780	3,200	<300	--	--	--		
MW-5	11-20-96	20.90	6.88	ND	14.02	11-20-96	53,000	8,700	5,700	920	4,400	<500	--	--	--		
MW-5	03-24-97	22.45	7.13	ND	15.32	03-24-97	39,000	8,200	3,200	720	3,100	<500	--	--	--		
MW-5	05-23-97	22.45	7.42	ND	15.03	05-23-97	29,000	6,600	1,700	400	1,500	<600	--	--	--		
MW-5	08-19-97	22.45	7.58	ND	14.87	08-19-97	16,000	4,600	790	<50	1,300	<300	--	--	--		
MW-5	11-19-97	22.45	7.58	ND	14.87	11-19-97	22,000	5,800	1,300	380	1,300	<300	--	--	--		
MW-5	02-19-98	22.45	4.65	ND	17.80	02-19-98	40,000	5,100	3,800	620	2,900	<300	--	--	--		
MW-5	04-23-98	22.45	6.25	ND	16.20	04-23-98	45,000	8,000	4,000	970	4,200	<600	--	--	--	1.5	P
MW-5	07-27-98	22.45	6.71	ND	15.74	07-27-98	30,000	8,000	2,000	590	1,900	<600	--	--	--	1.5	P
MW-5	10-14-98	22.45	7.19	ND	15.26	10-14-98	33,000	7,400	1,900	550	1,700	<300	--	--	--	1.5	P
MW-5	01-21-99	22.45	7.03	ND	15.42	01-22-99	34,000	6,200	2,600	630	2,300	<600	--	--	--	2.5	P
MW-5	05-06-99	22.45	7.02	ND	15.43	05-06-99	7,900	2,400	200	240	580	12	--	--	--	1.07	NP
MW-5	08-23-99	22.45	7.04	ND	15.41	08-24-99	25,000	5,800	2,300	570	2,000	67	--	--	--	1.04	P
MW-5	10-28-99	22.45	7.90	ND	14.55	10-28-99	20,000	5,900	1,100	450	1,100	<250	--	--	--	0.87	P
MW-5	02-04-00	22.45	6.71	ND	15.74	02-04-00	32,000	2,500	3,800	770	4,200	<75	--	--	--	2.33	P

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MW-6	03-17-95	22.08	6.66	ND	15.42	03-17-95	45,000	9,300	<100	1,900	3,600	--	--	--	--		
MW-6	06-01-95	22.08	7.60	ND	14.48	06-01-95	23,000	5,600	<50	1,300	1,900	--	--	--	--		
MW-6	08-31-95	22.08	7.92	ND	14.16	08-31-95	26,000	8,000	<100	1,900	900	<500	--	--	--		
MW-6	11-27-95	22.08	8.21	ND	13.87	11-27-95	6,700	1,800	<20	480	230	--	--	--	--		
MW-6	02-22-96	22.08	6.21	ND	15.87	03-14-96	17,000	3,100	69	810	1,500	<300	--	--	--		
MW-6	05-20-96	22.08	7.07	ND	15.01	05-21-96	16,000	3,700	<50	1,100	1,100	<300	--	--	--		
MW-6	08-26-96	22.08	7.93	ND	14.15	08-26-96	23,000	5,800	<50	2,000	560	<300	--	--	--		
MW-6	11-20-96	22.08	8.02	ND	14.06	11-20-96	11,000	3,300	<50[1]	480	370	<300	--	--	--		
MW-6	03-24-97	22.77	7.95	ND	14.82	03-24-97	9,700	1,900	<20	800	270	<100	--	--	--		
MW-6	05-23-97	22.77	8.17	ND	14.60	05-23-97	16,000	4,300	<50	1,400	180	<300	--	--	--		
MW-6	08-19-97	22.77	-	ND	NA	08-19-97	Not sampled: well is dry										
MW-6	11-19-97	22.77	-	ND	NA	11-19-97	Not sampled: well is dry										
MW-6	02-19-98	22.77	5.78	ND	16.99	02-19-98	2,600	540	8	90	88	<30	--	--	--		
MW-6	04-23-98	22.77	6.83	ND	15.94	04-24-98	7,600	1,300	13	520	190	<60	--	--	--	0.5	P
MW-6	07-27-98	22.77	7.80	ND	14.97	07-27-98	15,000	3,600	<25	1,100	230	<150	--	--	--	1.0	P
MW-6	10-14-98	22.77	8.31	ND	14.46	10-14-98	8,700	2,400	<20	220	36	<120	--	--	--	2.0	P
MW-6	01-21-99	22.77	7.90	ND	14.87	01-22-99	4,800	1,100	<25	340	79	<150	--	--	--	2.0	P
MW-6	05-06-99	22.77	7.70	ND	15.07	05-06-99	1,300	240	2.3	85	19	5	--	--	--	1.18	P
MW-6	08-23-99	22.77	8.24	ND	14.53	08-24-99	4,200	970	12	110	29	<15	--	--	--	0.90	P
MW-6	10-28-99	22.77	-	ND	NA	10-28-99	Not sampled: well is dry										
MW-6	02-04-00	22.77	7.31	ND	15.46	02-04-00	110	<0.5	0.6	1.5	1.9	11	--	--	--	1.10	P

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Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-7	03-17-95	22.89	7.68	ND	15.21	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-7	06-01-95	22.89	8.40	ND	14.49	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-7	08-31-95	22.89	9.09	ND	13.80	08-31-95	<50	<0.5	<0.5	0.6	<0.5	<3	--	--	--		
MW-7	11-27-95	22.89	9.15	ND	13.74	11-27-95	<50	<0.5	<0.5	0.9	<0.5	--	--	--	--		
MW-7	02-22-96	22.89	7.44	ND	15.45	03-14-96	110	1.4	<0.5	3.8	3.0	<3	--	--	--		
MW-7	05-20-96	22.89	8.47	ND	14.42	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-7	08-26-96	22.89	8.81	ND	14.08	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-7	11-20-96	22.89	9.17	ND	13.72	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-7	03-24-97	22.89	8.31	ND	14.58	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-7	05-23-97	22.89	9.26	ND	13.63	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-7	08-19-97	22.89	-	ND	NA	08-19-97	Not sampled: well is dry										
MW-7	11-19-97	22.89	-	ND	NA	11-19-97	Not sampled: well is dry										
MW-7	02-19-98	22.89	6.13	ND	16.76	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-7	04-23-98	22.89	7.44	ND	15.45	04-23-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.5	P
MW-7	07-27-98	22.89	8.75	ND	14.14	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-7	10-14-98	22.89	9.22	ND	13.67	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-7	01-21-99	22.89	9.07	ND	13.82	01-22-99	52	<0.5	<0.5	<0.5	0.27	<3	--	--	--	3.0	P
MW-7	05-06-99	22.89	8.32	ND	14.57	05-06-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.83	P
MW-7	08-23-99	22.89	9.25	ND	13.64	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.42	P
MW-7	10-28-99	22.89	Not surveyed			10-28-99	Not sampled: well is dry										
MW-7	02-04-00	22.89	8.79	ND	14.10	02-04-00	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	4.46	P

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Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/Not Purged P/NP
MW-8	03-17-95	20.97	6.14	ND	14.83	03-17-95	5,400	<5	<5	35	<5	--	--	--	--		
MW-8	06-01-95	20.97	6.50	ND	14.47	06-01-95	2,600	<2.5	<2.5	15	<2.5	--	--	--	--		
MW-8	08-31-95	20.97	7.35	ND	13.62	08-31-95	1,400	<3	<3	5	<3	520	--	900	--		
MW-8	11-27-95	20.97	7.60	ND	13.37	11-27-95	620	<0.5	<0.5	<0.5	0.5	--	560	900	510[1]		
MW-8	02-22-96	20.97	5.35	ND	15.62	03-14-96	5,800	<5	<5	28	<5	110	--	1,900	6,800[1]		
MW-8	05-20-96	20.97	5.92	ND	15.05	05-21-96	6,100	<5	<5	26	<5	240	--	--	--		
MW-8	08-26-96	20.97	7.08	ND	13.89	08-26-96	970	<1	<1	3	<1	710	--	--	--		
MW-8	11-20-96	20.97	7.01	ND	13.96	11-20-96	3,900	<2.5	<2.5	12	<2.5	930	--	--	--		
MW-8	03-24-97	20.89	7.33	ND	13.56	03-24-97	1,400	<10	<10	<10	12	4,300	--	--	--		
MW-8	05-23-97	20.89	7.55	ND	13.34	05-23-97	730	<5	<5	<5	<5	630	--	--	--		
MW-8	08-19-97	20.89	7.87	ND	13.02	08-19-97	<500	<5	<5	<5	<5	290	--	--	--		
MW-8	11-19-97	20.89	7.87	ND	13.02	11-19-97	<200	<2	<2	<2	<2	260	--	--	--		
MW-8	02-19-98	20.89	4.46	ND	16.43	02-19-98	2,000	<2	<2	9	<2	140	--	--	--		
MW-8	04-23-98	20.89	6.35	ND	14.54	04-24-98	4,500	<5	<5	<5	11	590	--	--	--	0.5	P
MW-8	07-27-98	20.89	7.43	ND	13.46	07-27-98	Not sampled										
MW-8	10-14-98	20.89	7.79	ND	13.10	10-14-98	Not sampled										
MW-8	01-21-99	20.89	6.54	ND	14.35	01-22-99	2,000	<2	<2	3	<2	320	--	--	--	2.5	P
MW-8	05-06-99	20.89	7.30	ND	13.59	05-06-99	<50	<0.5	<0.5	<0.5	<0.5	160	--	--	--	12.76	NP
MW-8	08-23-99	20.89	7.45	ND	13.44	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	5	--	--	--	7.85	NP
MW-8	10-28-99	20.89	8.22	ND	12.67	10-28-99	160	<0.5	<0.5	<0.5	<1	45	--	--	--	0.84	P
MW-8	02-04-00	20.89	8.47	ND	12.42	02-04-00	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	1.92	P

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MW-9	03-17-95	20.89	6.94	ND	13.95	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-9	06-01-95	20.89	8.15	ND	12.74	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-9	08-31-95	20.89	8.10	ND	12.79	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	11-27-95	20.89	8.38	ND	12.51	11-27-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-9	02-22-96	20.89	7.36	ND	13.53	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	05-20-96	20.89	7.81	ND	13.08	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	08-26-96	20.89	8.00	ND	12.89	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	11-20-96	20.89	7.06	ND	13.83	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	03-24-97	22.26	7.74	ND	14.52	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	05-23-97	22.26	8.28	ND	13.98	05-23-97	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	08-19-97	22.26	8.32	ND	13.94	08-19-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	11-19-97	22.26	8.32	ND	13.94	11-19-97	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	02-19-98	22.26	7.11	ND	15.15	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-9	04-23-98	22.26	8.18	ND	14.08	04-23-98	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	07-27-98	22.26	7.97	ND	14.29	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	3.6	P
MW-9	10-14-98	22.26	8.29	ND	13.97	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	2.5	P
MW-9	01-21-99	22.26	7.63	ND	14.63	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-9	05-06-99	22.26	7.27	ND	14.99	05-06-99	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	08-23-99	22.26	8.24	ND	14.02	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.93	P
MW-9	10-28-99	22.26	8.63	ND	13.63	10-28-99	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-9	02-04-00	22.26	8.01	ND	14.25	02-05-00	<50	<0.5	1.6	<0.5	<1	<3	--	--	--	1.47	P

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MW-10	03-17-95	21.12	6.26	ND	14.86	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-10	06-01-95	21.12	7.63	ND	13.49	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-10	08-31-95	21.12	8.17	ND	12.95	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	11-27-95	21.12	8.38	ND	12.74	11-27-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-10	02-22-96	21.12	5.41	ND	15.71	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	05-20-96	21.12	6.78	ND	14.34	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-10	08-26-96	21.12	8.00	ND	13.12	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	11-20-96	21.12	7.81	ND	13.31	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-10	03-24-97	21.33	7.87	ND	13.46	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	05-23-97	21.33	8.33	ND	13.00	05-23-97	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-10	08-19-97	21.33	8.39	ND	12.94	08-19-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	11-19-97	21.33	8.39	ND	12.94	11-19-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	02-19-98	21.33	4.65	ND	16.68	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-10	04-23-98	21.33	6.28	ND	15.05	04-23-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.5	P
MW-10	07-27-98	21.33	7.97	ND	13.36	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	3.3	P
MW-10	10-14-98	21.33	8.41	ND	12.92	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.0	P
MW-10	01-21-99	21.33	6.65	ND	14.68	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.5	P
MW-10	05-06-99	21.33	7.74	ND	13.59	05-06-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.76	P
MW-10	08-23-99	21.33	8.37	ND	12.96	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.21	P
MW-10	10-28-99	21.33	8.73	ND	12.60	10-28-99	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	1.12	P
MW-10	02-04-00	21.33	8.78	ND	12.55	02-05-00	<50	<0.5	1.0	<0.5	<1	<3	--	--	--	2.84	P

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MW-11	03-17-95	22.38	6.94	ND	15.44	03-17-95	100	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-11	06-01-95	22.38	7.90	ND	14.48	06-01-95	210	<0.5	<0.5	0.9	0.7	--	--	--	--		
MW-11	08-31-95	22.38	8.18	ND	14.20	08-31-95	680	<0.5	<0.5	4	1.8	<3	--	--	--		
MW-11	11-27-95	22.38	8.48	ND	13.90	11-27-95	340	<0.5	<0.5	2.2	1.6	--	--	--	--		
MW-11	02-22-96	22.38	6.63	ND	15.75	03-14-96	150	<0.5	<0.5	<0.8	0.8	<3	--	--	--		
MW-11	05-20-96	22.38	7.25	ND	15.13	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-11	08-26-96	22.38	8.22	ND	14.16	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-11	11-20-96	22.38	8.37	ND	14.01	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-11	03-24-97	20.97	8.15	ND	12.82	03-24-97	63	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-11	05-23-97	20.97	8.48	ND	12.49	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-11	08-19-97	20.97	8.67	ND	12.30	08-19-97	Not sampled: well sampled annually, during the first quarter										
MW-11	11-19-97	20.97	8.67	ND	12.30	11-19-97	Not sampled: well sampled annually, during the first quarter										
MW-11	02-19-98	20.97	6.25	ND	14.72	02-19-98	<50	<0.5	1.6	<0.5	1.8	7	--	--	--		
MW-11	04-23-98	20.97	7.23	ND	13.74	04-23-98	Not sampled: well sampled annually, during the first quarter										
MW-11	07-27-98	20.97	8.05	ND	12.92	07-27-98	Not sampled: well sampled annually, during the first quarter										
MW-11	10-14-98	20.97	8.58	ND	12.39	10-14-98	Not sampled: well sampled annually, during the first quarter										
MW-11	01-21-99	20.97	8.25	ND	12.72	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.5	P
MW-11	05-06-99	20.97	7.95	ND	13.02	05-06-99	Not sampled: well sampled annually, during the first quarter										
MW-11	08-23-99	20.97	8.51	ND	12.46	08-24-99	Not sampled: well sampled annually, during the first quarter										0.86
MW-11	10-28-99	20.97	8.95	ND	12.02	10-28-99	Not sampled: well sampled annually, during the first quarter										
MW-11	02-04-00	20.97	7.88	ND	13.09	02-04-00	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	3.29	P

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MW-12	03-17-95	22.77	7.09	ND	15.68	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-12	06-01-95	22.77	8.40	ND	14.37	06-01-95	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-12	08-31-95	22.77	8.55	ND	14.22	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-12	11-27-95	22.77	8.95	ND	13.82	11-27-95	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-12	02-22-96	22.77	6.81	ND	15.96	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-12	05-20-96	22.77	7.56	ND	15.21	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-12	08-26-96	22.77	8.63	ND	14.14	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-12	11-20-96	22.77	8.38	ND	14.39	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-12	03-24-97	20.11	8.75	ND	11.36	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-12	05-23-97	20.11	8.92	ND	11.19	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-12	08-19-97	20.11	9.20	ND	10.91	08-19-97	Not sampled: well sampled annually, during the first quarter										
MW-12	11-19-97	20.11	9.20	ND	10.91	11-19-97	Not sampled: well sampled annually, during the first quarter										
MW-12	02-19-98	20.11	6.28	ND	13.83	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-12	04-23-98	20.11	7.52	ND	12.59	04-23-98	Not sampled: well sampled annually, during the first quarter										
MW-12	07-27-98	20.11	8.52	ND	11.59	07-27-98	Not sampled: well sampled annually, during the first quarter										
MW-12	10-14-98	20.11	9.06	ND	11.05	10-14-98	Not sampled: well sampled annually, during the first quarter										
MW-12	01-21-99	20.11	8.20	ND	11.91	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-12	05-06-99	20.11	8.47	ND	11.64	05-06-99	Not sampled: well sampled annually, during the first quarter										
MW-12	08-23-99	20.11	9.04	ND	11.07	08-24-99	Not sampled: well sampled annually, during the first quarter										0.85
MW-12	10-28-99	20.11	9.40	ND	10.71	10-28-99	Not sampled: well sampled annually, during the first quarter										
MW-12	02-04-00	20.11	8.38	ND	11.73	02-04-00	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	3.34	P

Table 1
Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-13	03-17-95	22.45	6.91	ND	15.54	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-13	06-01-95	22.45	7.72	ND	14.73	06-01-95	Not sampled: well sampled annually, during the first quarter										
MW-13	08-31-95	22.45	7.58	ND	14.87	08-31-95	Not sampled: well sampled annually, during the first quarter										
MW-13	11-27-95	22.45	7.98	ND	14.47	11-27-95	Not sampled: well sampled annually, during the first quarter										
MW-13	02-22-96	22.45	6.71	ND	15.74	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-13	05-20-96	22.45	6.98	ND	15.47	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-13	08-26-96	22.45	7.85	ND	14.60	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-13	11-20-96	22.45	7.76	ND	14.69	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-13	03-24-97	20.75	7.85	ND	12.90	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-13	05-23-97	20.75	8.16	ND	12.59	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-13	08-19-97	20.75	8.40	ND	12.35	08-19-97	Not sampled: well sampled annually, during the first quarter										
MW-13	11-19-97	20.75	8.40	ND	12.35	11-19-97	Not sampled: well sampled annually, during the first quarter										
MW-13	02-19-98	20.75	6.44	ND	14.31	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-13	04-23-98	20.75	6.80	ND	13.95	04-23-98	Not sampled: well sampled annually, during the first quarter										
MW-13	07-27-98	20.75	7.52	ND	13.23	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-13	10-14-98	20.75	8.15	ND	12.60	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	2.0	P
MW-13	01-21-99	20.75	7.85	ND	12.90	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-13	05-06-99	20.75	7.82	ND	12.93	05-06-99	Not sampled: well sampled annually, during the first quarter										
MW-13	08-23-99	20.75	8.29	ND	12.46	08-24-99	Not sampled: well sampled annually, during the first quarter										0.94
MW-13	10-28-99	20.75	8.55	ND	12.20	10-28-99	Not sampled: well sampled annually, during the first quarter										
MW-13	02-04-00	20.75	8.11	ND	12.64	02-05-00	<50	<0.5	0.6	<0.5	<1	<3	--	--	--	1.27	P

Table 1
Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-14	03-17-95	22.99	8.17	ND	14.82	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-14	06-01-95	22.99	8.57	ND	14.42	06-01-95	Not sampled: well sampled annually, during the first quarter										
MW-14	08-31-95	22.99	9.05	ND	13.94	08-31-95	Not sampled: well sampled annually, during the first quarter										
MW-14	11-27-95	22.99	9.19	ND	13.80	11-27-95	Not sampled: well sampled annually, during the first quarter										
MW-14	02-22-96	22.99	6.52	ND	16.47	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-14	05-20-96	22.99	7.88	ND	15.11	05-21-96	Not sampled: well sampled annually, during the first quarter										
MW-14	08-26-96	22.99	8.83	ND	14.16	08-26-96	Not sampled: well sampled annually, during the first quarter										
MW-14	11-20-96	22.99	8.95	ND	14.04	11-20-96	Not sampled: well sampled annually, during the first quarter										
MW-14	03-24-97	20.90	8.98	ND	11.92	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-14	05-23-97	20.90	9.61	ND	11.29	05-23-97	Not sampled: well sampled annually, during the first quarter										
MW-14	08-19-97	20.90	9.80	ND	11.10	08-19-97	Not sampled: well sampled annually, during the first quarter										
MW-14	11-19-97	20.90	9.80	ND	11.10	11-19-97	<50	1.7	<0.5	0.6	3	<3					
MW-14	02-19-98	20.90	6.27	ND	14.63	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-14	04-23-98	20.90	7.75	ND	13.15	04-23-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.5	P
MW-14	07-27-98	20.90	9.24	ND	11.66	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.0	P
MW-14	10-14-98	20.90	9.73	ND	11.17	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.0	P
MW-14	01-21-99	20.90	8.90	ND	12.00	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	1.5	P
MW-14	05-06-99	20.90	8.98	ND	11.92	05-06-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.73	P
MW-14	08-23-99	20.90	9.68	ND	11.22	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.91	P
MW-14	10-28-99	20.90	10.00	ND	10.90	10-28-99	<50	<0.5	<0.5	<0.5	<1	<10	--	--	--	1.06	P
MW-14	02-04-00	20.90	8.19	ND	12.71	02-05-00	<50	<0.5	0.5	<0.5	<1	<3	--	--	--	1.21	P

Table 1
Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-15	03-17-95	19.19	5.21	ND	13.98	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-15	06-01-95	19.19	5.84	ND	13.35	06-01-95	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	08-31-95	19.19	6.18	ND	13.01	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-15	11-27-95	19.19	6.42	ND	12.77	11-27-95	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	02-22-96	19.19	4.84	ND	14.35	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	12	--	--	--		
MW-15	05-20-96	19.19	5.31	ND	13.88	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	08-26-96	19.19	6.05	ND	13.14	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	8	--	--	--		
MW-15	11-20-96	19.19	5.46	ND	13.73	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	03-24-97	22.08	6.00	ND	16.08	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	15	--	--	--		
MW-15	05-23-97	22.08	6.25	ND	15.83	05-23-97	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	08-19-97	22.08	6.34	ND	15.74	08-19-97	99[1]	<0.5	<0.5	<0.5	0.7	6	--	--	--		
MW-15	11-19-97	22.08	6.34	ND	15.74	11-19-97	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	02-19-98	22.08	4.66	ND	17.42	02-19-98	<50	<0.5	<0.5	<0.5	<0.5	48	--	--	--		
MW-15	04-23-98	22.08	5.18	ND	16.90	04-23-98	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	07-27-98	22.08	6.02	ND	16.06	07-27-98	<50	<0.5	<0.5	<0.5	<0.5	50	--	--	--	1.0	P
MW-15	10-14-98	22.08	6.26	ND	15.82	10-14-98	<50	<0.5	<0.5	<0.5	<0.5	27	--	--	--	1.5	P
MW-15	01-21-99	22.08	5.33	ND	16.75	01-22-99	<50	<0.5	<0.5	<0.5	<0.5	6	--	--	--	1.0	P
MW-15	05-06-99	22.08	5.82	ND	16.26	05-06-99	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	08-23-99	22.08	6.24	ND	15.84	08-24-99	<50	<0.5	<0.5	<0.5	<0.5	21	--	--	--	1.14	P
MW-15	10-28-99	22.08	6.60	ND	15.48	10-28-99	Not sampled: well sampled semi-annually, during the first and third quarters										
MW-15	02-04-00	22.08	7.02	ND	15.06	02-04-00	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	1.09	P

Table 1
Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Floating Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
ft-MSL: elevation in feet, relative to mean sea level TPHG: total petroleum hydrocarbons as gasoline, California DHS LUFT Method MTBE: Methyl tert-butyl ether TRPH: total recoverable petroleum hydrocarbons TPHD: total petroleum hydrocarbons as diesel, California DHS LUFT Method µg/L: micrograms per liter mg/L: milligrams per liter ND: none detected DRY: dry well; groundwater was not detected - - : not analyzed [1]: Sample contains a higher boiling point hydrocarbon mixture quantitated as gasoline. The chromatogram did not match the typical gasoline fingerprint. *: EPA method 8020 prior to 10/28/99 **: [corrected elevation (Z')] = Z + (h * 0.73) where: Z = measured elevation, h = floating product thickness, 0.73 = density ratio of oil to water ***: For previous historical groundwater elevation and analytical data please refer to <i>Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 601, San Leandro, California</i> , (EMCON, March 14, 1996).																	

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station No. 601
712 Lewelling Boulevard, San Leandro, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
03/17/95	West-Southwest	0.006
06/01/95	Southwest	0.003
08/31/95	South-Southwest	0.005
11/27/95	South-Southwest	0.004
02/22/96	Northwest	0.007
05/20/96	Southwest	0.007
08/26/96	South-Southwest	0.004
11/20/96	South-Southeast	0.004
03/24/97	Southeast	0.013
05/23/97	Southeast	0.014
08/19/97	Southeast	0.04
11/19/97	Southeast	0.016
02/19/98	East	Variable
04/23/98	Variable	Variable
07/27/98	Southeast	0.05
10/14/98	Southeast	0.02
01/21/99	East	0.04
05/06/99	Southeast	0.05
08/23/99	Southeast	0.02
10/28/99	Southeast	0.04
02/04/00	East-Southeast	0.053

Table 3
Historical Groundwater Analytical Data
Metals*
1995 - Present**

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation	Water Sample Field Date	Cadmium EPA 6010 µg/L	Chromium EPA 6010 µg/L	Lead EPA 7421 µg/L	Nickel EPA 6010 µg/L	Zinc EPA 6010 µg/L
MW-1	03-17-95	<5	20	20	<40	60
MW-1	06-01-95	<5	20	22	70	100
MW-1	08-31-95	Not sampled: well contained floating product				
MW-1	11-27-95	Not sampled: well contained floating product				
MW-1	03-14-96	Not sampled: well contained floating product				
MW-1	05-21-96	0.006	<0.01	<0.005	<0.02	<0.02
MW-1	08-26-96	--	--	--	--	--
MW-1	11-20-96	--	--	--	--	--
MW-1	03-24-97	--	--	--	--	--
MW-1	05-23-97	Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1				
MW-1	08-19-97	--	--	--	--	--
MW-1	11-19-97	--	--	--	--	--
MW-1	02-19-98	<0.01	<0.01	<0.05	<0.02	<0.02
MW-1	04-23-98	--	--	--	--	--
MW-1	07-27-98	--	--	--	--	--
MW-1	10-14-98	--	--	--	--	--
MW-1	01-22-99	<0.005	<0.01	<0.05	<0.02	<0.02
MW-1	05-06-99	--	--	--	--	--
MW-1	08-24-99	--	--	--	--	--
MW-1	10-28-99	--	--	--	--	--
MW-1	02-04-00	Not analyzed for metals				
MW-8	08-31-95	<5	40	16	50	90
MW-8	11-27-95	<5	130	77	170	280
MW-8	03-14-96	<5	30	7	40	60
MW-8	05-23-97	<0.005	<0.01	<0.005	<0.02	<0.02

EPA: United States Environmental Protection Agency
mg/L: micrograms per liter
-- : not analyzed
*: Historically samples were analyzed for total metals. Since March 14, 1996, the samples were filtered and analyzed for dissolved metals
**: For previous historical analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 601, San Leandro, California*, (EMCON, March 14, 1996).

Table 4
Historical Groundwater Analytical Data
Volatile and Semivolatile Organic Compounds
1995 - Present*

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation Water Sample Field Date	Volatile Organic Compounds by EPA Method 601/8010 or 624/8240							Semivolatile Organic Compounds by EPA Method 3520/8270				
	Methylene Chloride µg/L	1,2-Dichloro- ethane µg/L	1,1-Dichloro- ethane µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	Naphthalene µg/L	2-Methyl- naphthalene µg/L	Bis (2-ethylhexyl) Phthalate µg/L	Phenol µg/L	2,4-Di-methyl- phenol µg/L
MW-1 03-17-95	--	--	--	--	--	--	--	1300	730	<50	ND	150
MW-1 06-01-95	--	--	--	--	--	--	--	2200	1700	<100	240	<100
MW-1 08-31-95	Not sampled: well contained floating product											
MW-1 11-27-95	Not sampled: well contained floating product											
MW-1 03-14-96	Not sampled: well contained floating product											
MW-1 05-21-96	--	--	--	--	--	--	--	1200	860	<50	<50	<50
MW-1 08-26-96	--	--	--	--	--	--	--	2300	1800	<500	<500	<1000
MW-1 11-20-96	--	--	--	--	--	--	--	590	250	91	<50	<100
MW-1 03-24-97	--	--	--	--	--	--	--	730	610	<50	<50	<100
MW-1 05-23-97	Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1											
MW-1 08-19-97	--	--	--	--	--	--	--	1,300	790	<50	<50	<100
MW-1 11-19-97	--	--	--	--	--	--	--	<5	<5	5	<5	<10
MW-1 02-19-98	--	--	--	--	--	--	--	870	330	<50	<50	<100
MW-1 04-23-98	Not analyzed											
MW-1 07-27-98	Not analyzed											
MW-1 10-14-98	Not analyzed											
MW-1 01-28-99**	--	--	--	--	--	--	--	950	580	<50	<50	<100
MW-1 05-06-99	Not analyzed											
MW-1 08-24-99	--	--	--	--	--	--	--	1,200	400	<50	<50	<100
MW-1 10-28-99	--	--	--	--	--	--	--	1,100	320	<50	<50	<100
MW-1 02-04-00	--	--	--	--	--	--	--	780	330	<50	<50	<100

Table 4
Historical Groundwater Analytical Data
Volatile and Semivolatile Organic Compounds
1995 - Present*

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Designation Water Sample Field Date	Volatile Organic Compounds by EPA Method 601/8010 or 624/8240							Semivolatile Organic Compounds by EPA Method 3520/8270				
	Methylene Chloride µg/L	1,2-Dichloro- ethane µg/L	1,1-Dichloro- ethane µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	Naphthalene µg/L	2-Methyl- naphthalene µg/L	Bis (2-ethylhexyl) Phthalate µg/L	Phenol µg/L	2,4-Di-methyl- phenol µg/L
MW-8 08-31-95	--	--	--	--	--	--	--	62	8	<5	<5	<5
MW-8 11-27-95	--	--	--	--	--	--	--	15	<5	<5	<5	<5
MW-8 03-14-96	--	--	--	--	--	--	--	400	55	<50	<50	<50
MW-8 05-23-97	--	--	--	--	--	--	--	26	<5	<5	<5	<10
EPA: United States Environmental Protection Agency µg/L: micrograms per liter -- : not analyzed < = less than the laboratory detection limit stated to the right *: For previous historical analytical data please refer to <i>Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 601, San Leandro, California</i> , (EMCON, March 14, 1996). **: Sampling date is different from Groundwater Monitoring Field Date												

Table 5
Approximate Cumulative Floating Product Recovered

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Well Desig- nation	Date	Floating Product Recovered gallons
MW-1	1991	3.43
MW-1	1992	0.02
MW-1	1993	0.00
MW-1	1994	0.00
MW-1	1995	0.00
MW-1	1996	0.00
MW-1	1997	0.00
MW-1	1998	0.00
MW-1	1999	0.00
MW-1	2000	0.00
1991 to 2000 Total:		3.45

APPENDIX C

**Certified Analytical Reports
And
Chain-of-Custody Documentation**

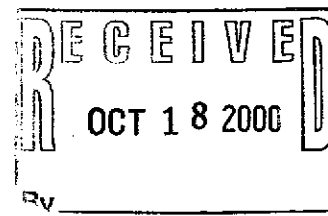


Sequoia Analytical

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October 16, 2000

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



RE: ARCO 601, San Leandro, CA/S010031

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





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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 S010031

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1-8	S010031-01	Water	9/29/00
MW-3-7	S010031-02	Water	9/29/00
MW-8-7	S010031-03	Water	9/29/00
MW-9-8	S010031-04	Water	9/29/00
MW-10-8	S010031-05	Water	9/29/00
MW-14-9	S010031-06	Water	9/29/00
MW-15-6	S010031-07	Water	9/29/00
TB	S010031-08	Water	9/28/00





Delta Environmental Consultants - Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova, CA 95670	Project: ARCO 601, San Leandro, CA Project Number: N/A Project Manager: Steven Meeks	Sampled: 9/28/00 to 9/29/00 Received: 10/2/00 Reported: 10/16/00
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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-1-8				S010031-01			Water	
Purgeable Hydrocarbons	0100146	10/13/00	10/13/00		5000	23600	ug/l	1,D
Benzene	"	"	"		50.0	2880	"	D
Toluene	"	"	"		50.0	ND	"	D
Ethylbenzene	"	"	"		50.0	2130	"	D
Xylenes (total)	"	"	"		50.0	871	"	D
Methyl tert-butyl ether	"	"	"		250	ND	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		102	%	
MW-3-7				S010031-02			Water	
Purgeable Hydrocarbons	0100146	10/13/00	10/13/00		5000	51000	ug/l	1,D
Benzene	"	"	"		50.0	860	"	D
Toluene	"	"	"		50.0	1120	"	D
Ethylbenzene	"	"	"		50.0	2720	"	D
Xylenes (total)	"	"	"		50.0	12900	"	D
Methyl tert-butyl ether	"	"	"		250	ND	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		100	%	
MW-8-7				S010031-03			Water	
Purgeable Hydrocarbons	0100132	10/12/00	10/12/00		50.0	149	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		102	%	
Methyl tert-butyl ether	0100145	10/13/00	10/16/00		25.0	438	ug/l	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		85.7	%	
MW-9-8				S010031-04			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	3.44	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		90.7	%	
MW-10-8				S010031-05			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	"	





Delta Environmental Consultants - Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova, CA 95670	Project: ARCO 601, San Leandro, CA Project Number: N/A Project Manager: Steven Meeks	Sampled: 9/28/00 to 9/29/00 Received: 10/2/00 Reported: 10/16/00
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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-10-8 (continued)								
				S010031-05			Water	
Xylenes (total)	0100132	10/12/00	10/12/00		0.500	ND	ug/l	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		90.2	%	
MW-14-9								
				S010031-06			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		96.7	%	
MW-15-6								
				S010031-07			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	56.6	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	60.0-140		104	%	
TB								
				S010031-08			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		103	%	





Delta Environmental Consultants - Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova, CA 95670	Project: ARCO 601, San Leandro, CA Project Number: N/A Project Manager: Steven Meeks	Sampled: 9/28/00 to 9/29/00 Received: 10/2/00 Reported: 10/16/00
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Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Walnut Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1-8				S010031-01			Water	
Acenaphthene	0J05005	10/5/00	10/12/00	EPA 8270B	50	ND	ug/l	D
Acenaphthylene	"	"	"	EPA 8270B	50	ND	"	D
Aniline	"	"	"	EPA 8270B	50	ND	"	D
Anthracene	"	"	"	EPA 8270B	50	ND	"	D
Benzoic acid	"	"	"	EPA 8270B	100	ND	"	D
Benzo (a) anthracene	"	"	"	EPA 8270B	50	ND	"	D
Benzo (b) fluoranthene	"	"	"	EPA 8270B	50	ND	"	D
Benzo (k) fluoranthene	"	"	"	EPA 8270B	50	ND	"	D
Benzo (ghi) perylene	"	"	"	EPA 8270B	50	ND	"	D
Benzo[a]pyrene	"	"	"	EPA 8270B	50	ND	"	D
Benzyl alcohol	"	"	"	EPA 8270B	50	ND	"	D
Bis(2-chloroethoxy)methane	"	"	"	EPA 8270B	50	ND	"	D
Bis(2-chloroethyl)ether	"	"	"	EPA 8270B	50	ND	"	D
Bis(2-chloroisopropyl)ether	"	"	"	EPA 8270B	50	ND	"	D
Bis(2-ethylhexyl)phthalate	"	"	"	EPA 8270B	100	ND	"	D
4-Bromophenyl phenyl ether	"	"	"	EPA 8270B	50	ND	"	D
Butyl benzyl phthalate	"	"	"	EPA 8270B	50	ND	"	D
4-Chloroaniline	"	"	"	EPA 8270B	100	ND	"	D
2-Chloronaphthalene	"	"	"	EPA 8270B	50	ND	"	D
4-Chloro-3-methylphenol	"	"	"	EPA 8270B	50	ND	"	D
2-Chlorophenol	"	"	"	EPA 8270B	50	ND	"	D
4-Chlorophenyl phenyl ether	"	"	"	EPA 8270B	50	ND	"	D
Chrysene	"	"	"	EPA 8270B	50	ND	"	D
Dibenz (a,h) anthracene	"	"	"	EPA 8270B	50	ND	"	D
Dibenzofuran	"	"	"	EPA 8270B	50	ND	"	D
Di-n-butyl phthalate	"	"	"	EPA 8270B	100	ND	"	D
1,2-Dichlorobenzene	"	"	"	EPA 8270B	50	ND	"	D
1,3-Dichlorobenzene	"	"	"	EPA 8270B	50	ND	"	D
1,4-Dichlorobenzene	"	"	"	EPA 8270B	50	ND	"	D
3,3'-Dichlorobenzidine	"	"	"	EPA 8270B	100	ND	"	D
2,4-Dichlorophenol	"	"	"	EPA 8270B	50	ND	"	D
Diethyl phthalate	"	"	"	EPA 8270B	50	ND	"	D
2,4-Dimethylphenol	"	"	"	EPA 8270B	50	ND	"	D
Dimethyl phthalate	"	"	"	EPA 8270B	50	ND	"	D
4,6-Dinitro-2-methylphenol	"	"	"	EPA 8270B	100	ND	"	D
2,4-Dinitrophenol	"	"	"	EPA 8270B	100	ND	"	D
2,4-Dinitrotoluene	"	"	"	EPA 8270B	50	ND	"	D
2,6-Dinitrotoluene	"	"	"	EPA 8270B	50	ND	"	D
Di-n-octyl phthalate	"	"	"	EPA 8270B	50	ND	"	D
Fluoranthene	"	"	"	EPA 8270B	50	ND	"	D
Fluorene	"	"	"	EPA 8270B	50	ND	"	D





Delta Environmental Consultants - Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova, CA 95670	Project: ARCO 601, San Leandro, CA Project Number: N/A Project Manager: Steven Meeks	Sampled: 9/28/00 to 9/29/00 Received: 10/2/00 Reported: 10/16/00
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**Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Walnut Creek**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1-8 (continued)				S010031-01			Water	
Hexachlorobenzene	0J05005	10/5/00	10/12/00	EPA 8270B	50	ND	ug/l	D
Hexachlorobutadiene	"	"	"	EPA 8270B	50	ND	"	D
Hexachlorocyclopentadiene	"	"	"	EPA 8270B	100	ND	"	D
Hexachloroethane	"	"	"	EPA 8270B	50	ND	"	D
Indeno (1,2,3-cd) pyrene	"	"	"	EPA 8270B	50	ND	"	D
Isophorone	"	"	"	EPA 8270B	50	ND	"	D
2-Methylnaphthalene	"	"	"	EPA 8270B	50	430	"	D
2-Methylphenol	"	"	"	EPA 8270B	50	ND	"	D
4-Methylphenol	"	"	"	EPA 8270B	50	ND	"	D
Naphthalene	"	"	"	EPA 8270B	50	1100	"	D
2-Nitroaniline	"	"	"	EPA 8270B	100	ND	"	D
3-Nitroaniline	"	"	"	EPA 8270B	100	ND	"	D
4-Nitroaniline	"	"	"	EPA 8270B	100	ND	"	D
Nitrobenzene	"	"	"	EPA 8270B	50	ND	"	D
2-Nitrophenol	"	"	"	EPA 8270B	50	ND	"	D
4-Nitrophenol	"	"	"	EPA 8270B	100	ND	"	D
N-Nitrosodimethylamine	"	"	"	EPA 8270B	50	ND	"	D
N-Nitrosodiphenylamine	"	"	"	EPA 8270B	50	ND	"	D
N-Nitrosodi-n-propylamine	"	"	"	EPA 8270B	50	ND	"	D
Pentachlorophenol	"	"	"	EPA 8270B	100	ND	"	D
Phenanthrene	"	"	"	EPA 8270B	50	ND	"	D
Phenol	"	"	"	EPA 8270B	50	ND	"	D
Pyrene	"	"	"	EPA 8270B	50	ND	"	D
1,2,4-Trichlorobenzene	"	"	"	EPA 8270B	50	ND	"	D
2,4,5-Trichlorophenol	"	"	"	EPA 8270B	100	ND	"	D
2,4,6-Trichlorophenol	"	"	"	EPA 8270B	50	ND	"	D
Surrogate: 2-Fluorophenol	"	"	"	21-110		53.1	%	D
Surrogate: Phenol-d6	"	"	"	10-110		33.5	"	D
Surrogate: Nitrobenzene-d5	"	"	"	35-114		94.1	"	D
Surrogate: 2-Fluorobiphenyl	"	"	"	43-116		114	"	D
Surrogate: 2,4,6-Tribromophenol	"	"	"	10-123		114	"	D
Surrogate: p-Terphenyl-d14	"	"	"	33-141		107	"	D





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Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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 LUFF/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	2
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.0	"	60.0-140	100			
Batch: 0100145		Date Prepared: 10/13/00		Extraction Method: EPA 5030B (MeOH)						
Blank		0100145-BLK1								
Purgeable Hydrocarbons	10/16/00			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				

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*Refer to end of report for text of notes and definitions.





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Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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/BUFI/Quality Control Sequoia Analytical - Sacramento

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recover. Limits	Recover. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0100145-BLK1										
Surrogate: a,a,a-Trifluorotoluene	10/16/00	10.0		9.46	ug/l	60.0-140	94.6			
LCS										
0100145-BS1										
Benzene	10/16/00	10.0		11.2	ug/l	70.0-130	112			
Toluene	"	10.0		10.8	"	70.0-130	108			
Ethylbenzene	"	10.0		10.8	"	70.0-130	108			
Xylenes (total)	"	30.0		32.2	"	70.0-130	107			
Methyl tert-butyl ether	"	10.0		11.4	"	70.0-130	114			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.93	"	60.0-140	99.3			
Matrix Spike										
0100145-MS1 S010028-01										
Benzene	10/16/00	10.0	ND	10.6	ug/l	60.0-140	106			
Toluene	"	10.0	ND	10.6	"	60.0-140	106			
Ethylbenzene	"	10.0	ND	10.6	"	60.0-140	106			
Xylenes (total)	"	30.0	ND	32.1	"	60.0-140	107			
Methyl tert-butyl ether	"	10.0	ND	10.5	"	60.0-140	105			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.31	"	60.0-140	93.1			
Matrix Spike Dup										
0100145-MSD1 S010028-01										
Benzene	10/16/00	10.0	ND	10.7	ug/l	60.0-140	107	25.0	0.939	
Toluene	"	10.0	ND	10.6	"	60.0-140	106	25.0	0	
Ethylbenzene	"	10.0	ND	10.6	"	60.0-140	106	25.0	0	
Xylenes (total)	"	30.0	ND	32.2	"	60.0-140	107	25.0	0	
Methyl tert-butyl ether	"	10.0	ND	14.1	"	60.0-140	141	25.0	29.3	2
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.38	"	60.0-140	93.8			
Batch: 0100146										
Blank										
0100146-BLK1										
Purgeable Hydrocarbons	10/13/00			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		10.3	"	60.0-140	103			
LCS										
0100146-BS1										
Benzene	10/13/00	10.0		10.8	ug/l	70.0-130	108			
Toluene	"	10.0		10.5	"	70.0-130	105			
Ethylbenzene	"	10.0		10.9	"	70.0-130	109			
Xylenes (total)	"	30.0		32.4	"	70.0-130	108			

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*Refer to end of report for text of notes and definitions.





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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 LUFF/Quality Control
Sequoia Analytical - Sacramento

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)										
		0100146-BS1								
Methyl tert-butyl ether	10/13/00	10.0		10.3	ug/l	70.0-130	103			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.4	"	60.0-140	104			
Matrix Spike										
		0100146-MS1 S010094-01								
Benzene	10/13/00	10.0	ND	10.8	ug/l	60.0-140	108			
Toluene	"	10.0	ND	10.8	"	60.0-140	108			
Ethylbenzene	"	10.0	ND	11.1	"	60.0-140	111			
Xylenes (total)	"	30.0	ND	32.8	"	60.0-140	109			
Methyl tert-butyl ether	"	10.0	ND	8.14	"	60.0-140	81.4			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.1	"	60.0-140	101			
Matrix Spike Dup										
		0100146-MSD1 S010094-01								
Benzene	10/13/00	10.0	ND	11.3	ug/l	60.0-140	113	25.0	4.52	
Toluene	"	10.0	ND	11.2	"	60.0-140	112	25.0	3.64	
Ethylbenzene	"	10.0	ND	11.3	"	60.0-140	113	25.0	1.79	
Xylenes (total)	"	30.0	ND	34.0	"	60.0-140	113	25.0	3.60	
Methyl tert-butyl ether	"	10.0	ND	11.6	"	60.0-140	116	25.0	35.1	2
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.92	"	60.0-140	99.2			





Delta Environmental Consultants - Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova, CA 95670	Project: ARCO 601, San Leandro, CA Project Number: N/A Project Manager: Steven Meeks	Sampled: 9/28/00 to 9/29/00 Received: 10/2/00 Reported: 10/16/00
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Semivolatile Organic Compounds by EPA Method 8210B Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0J05005			Date Prepared: 10/5/00		Extraction Method: EPA 3510B					
Blank			0J05005-BLK1							
Acenaphthene	10/6/00			ND	ug/l	5.0				
Acenaphthylene	"			ND	"	5.0				
Aniline	"			ND	"	5.0				
Anthracene	"			ND	"	5.0				
Benzoic acid	"			ND	"	10				
Benzo (a) anthracene	"			ND	"	5.0				
Benzo (b) fluoranthene	"			ND	"	5.0				
Benzo (k) fluoranthene	"			ND	"	5.0				
Benzo (ghi) perylene	"			ND	"	5.0				
Benzo[a]pyrene	"			ND	"	5.0				
Benzyl alcohol	"			ND	"	5.0				
Bis(2-chloroethoxy)methane	"			ND	"	5.0				
Bis(2-chloroethyl)ether	"			ND	"	5.0				
Bis(2-chloroisopropyl)ether	"			ND	"	5.0				
Bis(2-ethylhexyl)phthalate	"			ND	"	10				
4-Bromophenyl phenyl ether	"			ND	"	5.0				
Butyl benzyl phthalate	"			ND	"	5.0				
4-Chloroaniline	"			ND	"	10				
2-Chloronaphthalene	"			ND	"	5.0				
4-Chloro-3-methylphenol	"			ND	"	5.0				
2-Chlorophenol	"			ND	"	5.0				
4-Chlorophenyl phenyl ether	"			ND	"	5.0				
Chrysene	"			ND	"	5.0				
Dibenz (a,h) anthracene	"			ND	"	5.0				
Dibenzofuran	"			ND	"	5.0				
Di-n-butyl phthalate	"			ND	"	10				
1,2-Dichlorobenzene	"			ND	"	5.0				
1,3-Dichlorobenzene	"			ND	"	5.0				
1,4-Dichlorobenzene	"			ND	"	5.0				
3,3'-Dichlorobenzidine	"			ND	"	10				
2,4-Dichlorophenol	"			ND	"	5.0				
Diethyl phthalate	"			ND	"	5.0				
2,4-Dimethylphenol	"			ND	"	5.0				
Dimethyl phthalate	"			ND	"	5.0				
4,6-Dinitro-2-methylphenol	"			ND	"	10				
2,4-Dinitrophenol	"			ND	"	10				
2,4-Dinitrotoluene	"			ND	"	5.0				
2,6-Dinitrotoluene	"			ND	"	5.0				
Di-n-octyl phthalate	"			ND	"	5.0				
Fluoranthene	"			ND	"	5.0				





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
<u>0J05005-BLK1</u>										
Fluorene	10/6/00			ND	ug/l	5.0				
Hexachlorobenzene	"			ND	"	5.0				
Hexachlorobutadiene	"			ND	"	5.0				
Hexachlorocyclopentadiene	"			ND	"	10				
Hexachloroethane	"			ND	"	5.0				
Indeno (1,2,3-cd) pyrene	"			ND	"	5.0				
Isophorone	"			ND	"	5.0				
2-Methylnaphthalene	"			ND	"	5.0				
2-Methylphenol	"			ND	"	5.0				
4-Methylphenol	"			ND	"	5.0				
Naphthalene	"			ND	"	5.0				
2-Nitroaniline	"			ND	"	10				
3-Nitroaniline	"			ND	"	10				
4-Nitroaniline	"			ND	"	10				
Nitrobenzene	"			ND	"	5.0				
2-Nitrophenol	"			ND	"	5.0				
4-Nitrophenol	"			ND	"	10				
N-Nitrosodimethylamine	"			ND	"	5.0				
N-Nitrosodiphenylamine	"			ND	"	5.0				
N-Nitrosodi-n-propylamine	"			ND	"	5.0				
Pentachlorophenol	"			ND	"	10				
Phenanthrene	"			ND	"	5.0				
Phenol	"			ND	"	5.0				
Pyrene	"			ND	"	5.0				
1,2,4-Trichlorobenzene	"			ND	"	5.0				
2,4,5-Trichlorophenol	"			ND	"	10				
2,4,6-Trichlorophenol	"			ND	"	5.0				
Surrogate: 2-Fluorophenol	"	150		66.1	"	21-110	44.1			
Surrogate: Phenol-d6	"	150		41.0	"	10-110	27.3			
Surrogate: Nitrobenzene-d5	"	100		85.4	"	35-114	85.4			
Surrogate: 2-Fluorobiphenyl	"	100		88.3	"	43-116	88.3			
Surrogate: 2,4,6-Tribromophenol	"	150		136	"	10-123	90.7			
Surrogate: p-Terphenyl-d14	"	100		79.6	"	33-141	79.6			
<u>0J05005-BLK2</u>										
Acenaphthene	10/6/00			ND	ug/l	5.0				
Acenaphthylene	"			ND	"	5.0				
Aniline	"			ND	"	5.0				
Anthracene	"			ND	"	5.0				
Benzoic acid	"			ND	"	10				
Benzo (a) anthracene	"			ND	"	5.0				





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	0J05005-BLK2									
Benzo (b) fluoranthene	10/6/00			ND	ug/l	5.0				
Benzo (k) fluoranthene	"			ND	"	5.0				
Benzo (ghi) perylene	"			ND	"	5.0				
Benzo[a]pyrene	"			ND	"	5.0				
Benzyl alcohol	"			ND	"	5.0				
Bis(2-chloroethoxy)methane	"			ND	"	5.0				
Bis(2-chloroethyl)ether	"			ND	"	5.0				
Bis(2-chloroisopropyl)ether	"			ND	"	5.0				
Bis(2-ethylhexyl)phthalate	"			ND	"	10				
4-Bromophenyl phenyl ether	"			ND	"	5.0				
Butyl benzyl phthalate	"			ND	"	5.0				
4-Chloroaniline	"			ND	"	10				
2-Chloronaphthalene	"			ND	"	5.0				
4-Chloro-3-methylphenol	"			ND	"	5.0				
2-Chlorophenol	"			ND	"	5.0				
4-Chlorophenyl phenyl ether	"			ND	"	5.0				
Chrysene	"			ND	"	5.0				
Dibenz (a,h) anthracene	"			ND	"	5.0				
Dibenzofuran	"			ND	"	5.0				
Di-n-butyl phthalate	"			ND	"	10				
1,2-Dichlorobenzene	"			ND	"	5.0				
1,3-Dichlorobenzene	"			ND	"	5.0				
1,4-Dichlorobenzene	"			ND	"	5.0				
3,3'-Dichlorobenzidine	"			ND	"	10				
2,4-Dichlorophenol	"			ND	"	5.0				
Diethyl phthalate	"			ND	"	5.0				
2,4-Dimethylphenol	"			ND	"	5.0				
Dimethyl phthalate	"			ND	"	5.0				
4,6-Dinitro-2-methylphenol	"			ND	"	10				
2,4-Dinitrophenol	"			ND	"	10				
2,4-Dinitrotoluene	"			ND	"	5.0				
2,6-Dinitrotoluene	"			ND	"	5.0				
Di-n-octyl phthalate	"			ND	"	5.0				
Fluoranthene	"			ND	"	5.0				
Fluorene	"			ND	"	5.0				
Hexachlorobenzene	"			ND	"	5.0				
Hexachlorobutadiene	"			ND	"	5.0				
Hexachlorocyclopentadiene	"			ND	"	10				
Hexachloroethane	"			ND	"	5.0				
Indeno (1,2,3-cd) pyrene	"			ND	"	5.0				
Isophorone	"			ND	"	5.0				





Sequoia Analytical

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Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0J05005-BLK2										
2-Methylnaphthalene	10/6/00			ND	ug/l	5.0				
2-Methylphenol	"			ND	"	5.0				
4-Methylphenol	"			ND	"	5.0				
Naphthalene	"			ND	"	5.0				
2-Nitroaniline	"			ND	"	10				
3-Nitroaniline	"			ND	"	10				
4-Nitroaniline	"			ND	"	10				
Nitrobenzene	"			ND	"	5.0				
2-Nitrophenol	"			ND	"	5.0				
4-Nitrophenol	"			ND	"	10				
N-Nitrosodimethylamine	"			ND	"	5.0				
N-Nitrosodiphenylamine	"			ND	"	5.0				
N-Nitrosodi-n-propylamine	"			ND	"	5.0				
Pentachlorophenol	"			ND	"	10				
Phenanthrene	"			ND	"	5.0				
Phenol	"			ND	"	5.0				
Pyrene	"			ND	"	5.0				
1,2,4-Trichlorobenzene	"			ND	"	5.0				
2,4,5-Trichlorophenol	"			ND	"	10				
2,4,6-Trichlorophenol	"			ND	"	5.0				
Surrogate: 2-Fluorophenol	"	150		58.5	"	21-110	39.0			
Surrogate: Phenol-d6	"	150		36.3	"	10-110	24.2			
Surrogate: Nitrobenzene-d5	"	100		77.8	"	35-114	77.8			
Surrogate: 2-Fluorobiphenyl	"	100		82.3	"	43-116	82.3			
Surrogate: 2,4,6-Tribromophenol	"	150		119	"	10-123	79.3			
Surrogate: p-Terphenyl-d14	"	100		71.5	"	33-141	71.5			
LCS										
0J05005-BS1										
Accenaphthene	10/6/00	100		88.1	ug/l	46-118	88.1			
4-Chloro-3-methylphenol	"	150		127	"	23-97	84.7			
2-Chlorophenol	"	150		111	"	27-123	74.0			
1,4-Dichlorobenzene	"	100		80.5	"	36-97	80.5			
2,4-Dinitrotoluene	"	100		90.8	"	24-96	90.8			
4-Nitrophenol	"	150		52.7	"	10-80	35.1			
N-Nitrosodi-n-propylamine	"	100		90.9	"	41-116	90.9			
Pentachlorophenol	"	150		136	"	9-103	90.7			
Phenol	"	150		55.3	"	12-110	36.9			
Pyrene	"	100		77.9	"	26-127	77.9			
1,2,4-Trichlorobenzene	"	100		85.4	"	39-98	85.4			
Surrogate: 2-Fluorophenol	"	150		88.2	"	21-110	58.8			
Surrogate: Phenol-d6	"	150		57.9	"	10-110	38.6			

Sequoia Analytical - Sacramento

*Refer to end of report for text of notes and definitions.





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued) 0J05005-BS1										
Surrogate: Nitrobenzene-d5	10/6/00	100		95.8	ug/l	35-114	95.8			
Surrogate: 2-Fluorobiphenyl	"	100		96.9	"	43-116	96.9			
Surrogate: 2,4,6-Tribromophenol	"	150		149	"	10-123	99.3			
Surrogate: p-Terphenyl-d14	"	100		81.1	"	33-141	81.1			
LCS 0J05005-BS2										
Acenaphthene	10/6/00	100		80.2	ug/l	46-118	80.2			
4-Chloro-3-methylphenol	"	150		111	"	23-97	74.0			
2-Chlorophenol	"	150		94.3	"	27-123	62.9			
1,4-Dichlorobenzene	"	100		65.9	"	36-97	65.9			
2,4-Dinitrotoluene	"	100		84.4	"	24-96	84.4			
4-Nitrophenol	"	150		47.4	"	10-80	31.6			
N-Nitrosodi-n-propylamine	"	100		80.2	"	41-116	80.2			
Pentachlorophenol	"	150		124	"	9-103	82.7			
Phenol	"	150		49.0	"	12-110	32.7			
Pyrene	"	100		75.9	"	26-127	75.9			
1,2,4-Trichlorobenzene	"	100		73.9	"	39-98	73.9			
Surrogate: 2-Fluorophenol	"	150		73.1	"	21-110	48.7			
Surrogate: Phenol-d6	"	150		49.5	"	10-110	33.0			
Surrogate: Nitrobenzene-d5	"	100		81.7	"	35-114	81.7			
Surrogate: 2-Fluorobiphenyl	"	100		82.6	"	43-116	82.6			
Surrogate: 2,4,6-Tribromophenol	"	150		133	"	10-123	88.7			
Surrogate: p-Terphenyl-d14	"	100		62.4	"	33-141	62.4			
LCS Dup 0J05005-BSD1										
Acenaphthene	10/6/00	100		87.5	ug/l	46-118	87.5	30	0.683	
4-Chloro-3-methylphenol	"	150		127	"	23-97	84.7	30	0	
2-Chlorophenol	"	150		106	"	27-123	70.7	30	4.61	
1,4-Dichlorobenzene	"	100		74.5	"	36-97	74.5	30	7.74	
2,4-Dinitrotoluene	"	100		93.9	"	24-96	93.9	30	3.36	
4-Nitrophenol	"	150		51.4	"	10-80	34.3	30	2.50	
N-Nitrosodi-n-propylamine	"	100		89.2	"	41-116	89.2	30	1.89	
Pentachlorophenol	"	150		139	"	9-103	92.7	30	2.18	
Phenol	"	150		49.9	"	12-110	33.3	30	10.3	
Pyrene	"	100		78.9	"	26-127	78.9	30	1.28	
1,2,4-Trichlorobenzene	"	100		82.0	"	39-98	82.0	30	4.06	
Surrogate: 2-Fluorophenol	"	150		79.7	"	21-110	53.1			
Surrogate: Phenol-d6	"	150		49.5	"	10-110	33.0			
Surrogate: Nitrobenzene-d5	"	100		91.4	"	35-114	91.4			
Surrogate: 2-Fluorobiphenyl	"	100		88.5	"	43-116	88.5			
Surrogate: 2,4,6-Tribromophenol	"	150		141	"	10-123	94.0			



Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued) 0J05005-BS01										
Surrogate: p-Terphenyl-d14	10/6/00	100		76.9	ug/l	33-141	76.9			
LCS Dup 0J05005-BS02										
Acenaphthene	10/6/00	100		81.5	ug/l	46-118	81.5	30	1.61	
4-Chloro-3-methylphenol	"	150		120	"	23-97	80.0	30	7.79	
2-Chlorophenol	"	150		102	"	27-123	68.0	30	7.85	
1,4-Dichlorobenzene	"	100		69.8	"	36-97	69.8	30	5.75	
2,4-Dinitrotoluene	"	100		85.3	"	24-96	85.3	30	1.06	
4-Nitrophenol	"	150		51.5	"	10-80	34.3	30	8.29	
N-Nitrosodi-n-propylamine	"	100		80.3	"	41-116	80.3	30	0.125	
Pentachlorophenol	"	150		126	"	9-103	84.0	30	1.60	
Phenol	"	150		55.3	"	12-110	36.9	30	12.1	
Pyrene	"	100		76.3	"	26-127	76.3	30	0.526	
1,2,4-Trichlorobenzene	"	100		77.4	"	39-98	77.4	30	4.63	
Surrogate: 2-Fluorophenol	"	150		79.7	"	21-110	53.1			
Surrogate: Phenol-d6	"	150		54.5	"	10-110	36.3			
Surrogate: Nitrobenzene-d5	"	100		82.9	"	35-114	82.9			
Surrogate: 2-Fluorobiphenyl	"	100		83.4	"	43-116	83.4			
Surrogate: 2,4,6-Tribromophenol	"	150		130	"	10-123	86.7			
Surrogate: p-Terphenyl-d14	"	100		74.7	"	33-141	74.7			
Matrix Spike 0J05005-MS2 W010108-03										
Phenol	10/11/00	150	ND	34.0	ug/l	12-110	22.7			
Surrogate: 2-Fluorophenol	"	150		48.7	"	21-110	32.5			
Surrogate: Phenol-d6	"	150		33.7	"	10-110	22.5			
Surrogate: Nitrobenzene-d5	"	100		56.1	"	35-114	56.1			
Surrogate: 2-Fluorobiphenyl	"	100		60.0	"	43-116	60.0			
Surrogate: 2,4,6-Tribromophenol	"	150		108	"	10-123	72.0			
Surrogate: p-Terphenyl-d14	"	100		74.1	"	33-141	74.1			
Matrix Spike Dup 0J05005-MSD2 W010108-03										
Phenol	10/12/00	150	ND	35.9	ug/l	12-110	23.9	30	5.44	
Surrogate: 2-Fluorophenol	"	150		51.3	"	21-110	34.2			
Surrogate: Phenol-d6	"	150		34.5	"	10-110	23.0			
Surrogate: Nitrobenzene-d5	"	100		55.8	"	35-114	55.8			
Surrogate: 2-Fluorobiphenyl	"	100		57.7	"	43-116	57.7			
Surrogate: 2,4,6-Tribromophenol	"	150		106	"	10-123	70.7			
Surrogate: p-Terphenyl-d14	"	100		80.1	"	33-141	80.1			





Delta Environmental Consultants - Rancho Cordova	Project: ARCO 601, San Leandro, CA	Sampled: 9/28/00 to 9/29/00
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
D	Data reported from a dilution.
1	Chromatogram Pattern: Weathered Gasoline C6-C12
2	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. 2599000

Chain of Custody

ARCO Facility no. 601	City (Facility) SAN LEANDRO	Project manager (Consultant) 259900 Steve Meeks	Laboratory name <u>California</u>
ARCO engineer Paul Supple	Telephone no. (ARCO)	Telephone no. (Consultant) (916) 638-2085	Contract number
Consultant name Delta	Address (Consultant) Rancho Conejo		

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH & MTBE EPA 802/8020/8015	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 ☐ VOA ☐	CMI Metals EPA 801/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead EPA 7420/7421 ☐	8270 8271	Method of shipment	
			Soil	Water	Other	Ice	Acid																
MW-1-8		8204 12 Aachen		X		X	X	9-29-00	1155		X				SO1100	31-01						X	Special detection Limit/reporting
MW-3-7		2							1255									-02					Special QA/QC
MW-8-7									1117									-03					
MW-9-8									1315									-04					
MW-10-8									1325									-05					
MW-14-9									1220									-06					
MW-15-b								✓	1330									-07					Remarks
TB								9-29-00	800									-08					
																							Lab number
																							Turnaround time
																							Priority Rush

Condition of sample:				Temperature received:			
Relinquished by sampler	Date	Time	Received by				
Thom Brubaker	10-2-00	1040	John Yancey				
Relinquished by	Date	Time	Received by				
John Yancey	10-2-00	1135	Monica Grogan	10/2/00 1135			
Relinquished by	Date	Time	Received by laboratory	Date	Time		

Priority Rush	☐
1 Business Day	
Rush	☐
2 Business Days	
Expedited	☐
5 Business Days	
Standard	☐
10 Business Days	



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

Arco Site Address: **712 Lewelling Blvd.**

San Leandro, CA

Arco Project Manager: **Paul Supple**

Site Sampled By: **Doulos**

Arco Site Number: **601**

Delta Project No.: **D000-303**

Delta Project PM: **Steven W. Meeks**

Date Sampled: **09/29/00**

Site Contact & Phone Number: _____

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	Semi-Volatiles (8270) Amber	Dissolved Oxygen (mg/L)	Sample Frequency (A, S, Q)	Sample I.D.	Sample Time
MW-1	10:07	8.55	7.0	10.8	☒	2.23	4 inch	2.0	4.5	NP	☒	☒	☒	☒	0.53	Q/2,5,8,11	MW-1	
MW-2	10:25	7.60	8.0	12.1	☐	4.54	4 inch	2.0	9.1	N/A	☐	☐	☐	☐	NM	A/2		
MW-3	10:10	7.20	8.0	11.8	☐	4.61	4 inch	2.0	9.2	9	☒	☒	☒	☐	1.40	Q/2,5,8,11	MW-3	
MW-4	9:57	DRY	-	8.3	☐	DRY	4 inch	2.0	DRY	N/A	☐	☐	☐	☐	NM	Q/2,5,8,11		
MW-5	10:05	DRY	-	8.0	☐	DRY	4 inch	2.0	DRY	N/A	☐	☐	☐	☐	NM	Q/2,5,8,11		
MW-6	10:00	DRY	-	8.4	☐	DRY	4 inch	2.0	DRY	N/A	☐	☐	☐	☐	NM	Q/2,5,8,11		
MW-7	9:49	DRY	-	9.4	☐	1.46	4 inch	2.0	2.9	N/A	☐	☐	☐	☐	NM	Q/2,5,8,11		
MW-8	9:53	7.91	-	10.1	☐	1.66	4 inch	2.0	3.3	4.3	☒	☒	☒	☐	4.08	Q/2,5,8,11	MW-8	
MW-9	9:38	8.44	-	15.9	☐	7.54	2 inch	0.5	3.8	3.6	☒	☒	☒	☐	2.61	S/2,8	MW-9	
MW-10	9:41	8.40	-	11.9	☐	3.32	2 inch	0.5	1.7	1.7	☒	☒	☒	☐	2.90	Q/2,5,8,11	MW-10	
MW-11	10:29	8.60	7.0	11.6	☐	2.60	4 inch	2.0	5.2	N/A	☐	☐	☐	☐	NM	A/2		
MW-12	10:34	8.98	7.5	11.1	☐	2.87	4 inch	2.0	5.7	N/A	☐	☐	☐	☐	NM	A/2		
MW-13	10:15	8.27	-	12.7	☐	4.41	2 inch	0.5	2.2	N/A	☐	☐	☐	☐	NM	A/2		
MW-14	9:45	9.78	7.5	12.6	☒	2.83	2 inch	0.5	1.4	NP	☒	☒	☒	☐	0.88	Q/2,5,8,11	MW-14	
MW-15	10:20	6.50	-	9.8	☐	3.31	2 inch	0.5	1.7	1.6	☒	☒	☒	☐	3.10	S/2,8	MW-15	
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				
					☐						☐	☐	☐	☐				

(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-11, MW-12, MW-13, MW-2; Semi-Annual: MW-9, MW-15
Quarterly: MW-10, MW-14, MW-7, MW-8, MW-4, MW-6, MW-5, MW-1,

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."

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.



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

Arco Site Address: **712 Lewelling Blvd.**
San Leandro, CA

Arco Project Manager: **Paul Supple**

Site Sampled By: **Doulos**

Arco Site Number: **601**

Delta Project No.: **D000-303**

Delta Project PM: **Steven W. Meeks**

Date Sampled: **36798**

Site Contact & Phone Number: _____

Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-1	No Purge					MW-8	11:18	25.2	8.09	696	1	MW-15	12:36	28.0	7.80	201	1
							11:19	24.9	8.04	688	2		12:37	27.6	7.74	193	2
							11:20	24.5	8.00	683	3		12:34	27.2	7.70	189	2
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-2						MW-9	11:26	25.9	7.50	224	1						
							11:27	25.1	7.40	218	2						
							11:28	24.8	7.37	212	3						
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-3	10:36	23.0	7.59	288	1	MW-10	11:35	26.1	7.66	1,121	1						
	10:37	22.3	7.53	280	2		11:36	25.6	7.59	1,110	2						
	10:38	22.0	7.49	276	3		11:37	25.2	7.55	1,106	3						
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-4						MW-11											
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-5						MW-12											
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-6						MW-13											
Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons	Well ID	Time	Temp oC	pH Units	Sp. Cond.	Gallons
MW-7						MW-14	No Purge										

Notes: NP = NO PURGE