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27141 Aliso Creek Road • Suite 270
Aliso Viejo, California 92656 USA

949.362.3077 800.477.7411
Fax 949.362.0290

January 12, 2005

Mr. John Chiang
CRWQCB-Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

Sent by UPS

Subject: Quarterly Update Report Submittal

Dear Mr. Chiang:

On behalf of Atlantic Richfield Company, Delta Environmental Consultants, Inc. is submitting the enclosed Quarterly Groundwater Monitoring Report for the Fourth Quarter 2004. The enclosed quarterly report was prepared for the following ARCO Facility:

ARCO Facility No.	CRWQCB File No.	Location
6176	I-12084	1001 East Amar Road, West Covina

If you have any questions, please contact the undersigned at (949) 860-0212.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Paul N. McCarter
Project Manager

1-12-05
Date

Enclosure: Atlantic Richfield Company Quarterly Update Report

cc: Mr. Gordon Terhune, Atlantic Richfield Company, La Palma, California
Mr. Curtis Castle, LADPW, Alhambra, California

PNM:pkm(c:\word\qtrly cvr ltrs\6176.doc)

A member of:
Inogen Environmental Alliance

ATLANTIC RICHFIELD COMPANY
QUARTERLY GROUNDWATER REMEDIATION REPORT
FOURTH QUARTER 2004
JANUARY 15, 2005

Facility No.: 6176 Address:	1001 East Amar Road, West Covina, California
Atlantic Richfield Company Environmental Business Manager / Phone No.:	Gordon Terhune / (562) 438-3871
Consulting Co. / Contact Person/Phone No.:	Delta Environmental / Paul McCarter / (949) 860-0212
Primary Agency / Contact Person / Regulatory ID No.:	California Regional Water Quality Control Board-Los Angeles Region (CRWQCB-LA) / John Chiang / File No. I-12084
Other Agencies to Receive Copies:	County of Los Angeles Department of Public Works / Curtis Castle

WORK PERFORMED THIS QUARTER (Fourth - 2004):

1. Submitted Quarterly Groundwater Remediation Report.
2. Conducted quarterly groundwater monitoring and sampling on December 9, 2004. Purge water generated during sampling activities was transported to DeMenno/Kerdoon, in Compton, California for disposal.

WORK PROPOSED FOR THE NEXT QUARTER (First - 2005):

1. Submit Quarterly Groundwater Remediation Report.
2. Conduct quarterly groundwater monitoring and sampling with added analytical requirements of CRWQCB-LA.
3. Restart air sparge portion of the air sparge/soil vapor extraction (AS/SVE) system as a biosparge system in accordance with the CRWQCB-LA letter of August 12, 2004.
4. Continue operation and maintenance of biosparge system.

CRWQCB-LA Level:	One			
Current Phase of Project:	Remediation/Monitoring			
Frequency of Sampling:	GW-Quarterly; Air-Monthly			
Frequency of Monitoring:	GW-Quarterly; Air-Weekly			
Permits for Discharge (No.):	SCAQMD Permit No. F17422			
Approx. Depth to Groundwater:	25.69-34.56 ft	Measured X	Estimated	
Groundwater Gradient:	0.02 ft/ft	(Magnitude)	(Direction)	NW

DISCUSSION

Total Petroleum Hydrocarbons as gasoline (TPHg) increased somewhat in wells BC-1 and BC-2, and decreased in wells GW-5 and GW-6. Benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations generally declined in most wells in which they were present. No other significant changes with respect to petroleum hydrocarbon concentrations in groundwater were observed during this quarter.

Natural bioattenuation analyses were performed on groundwater from well BC-1, which is located within the hydrocarbon plume, and on groundwater from well GW-3, which is located upgradient and outside of the hydrocarbon plume. Nitrate and sulfate concentrations are depleted and methane levels are elevated within the plume relative to the area outside of the plume, suggesting that natural attenuation is occurring at the site.

ATTACHMENTS:

Summary of Quarterly Groundwater Sampling Results
Site Location Map (Figure 1)
Groundwater Elevation Contour Map (Figure 2)
TPHg and Benzene Groundwater Analyses Map (Figure 3)
MTBE Groundwater Analyses Map (Figure 4)
Historical Groundwater Gauging Data (Table 1)
Historical Groundwater Analytical Results (Table 2)
Natural Bioattenuation Remediation Analytical Results (Table 3)
Sampling Information Sheets (Attachment A)
Laboratory Report and Chain-of-Custody Documentation (Attachment B)
Biosparge System Operation Summary (Attachment C)

SUMMARY OF QUARTERLY GROUNDWATER SAMPLING RESULTS
ARCO FACILITY NO. 6176
WEST COVINA, CALIFORNIA

Enclosed please find the data collected by Doulos Environmental Company during quarterly groundwater sampling activities at ARCO Facility No. 6176, located in West Covina, California. The sampling activities included the collection of groundwater samples and static water level measurements. This report contains groundwater analyses maps that document the concentrations of total petroleum hydrocarbon as gasoline (TPHg), benzene, and MTBE. A Delta Environmental Consultants, Inc. staff member under the supervision of a California Registered Civil Engineer or California Registered Geologist performed the data evaluation.

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are determined in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

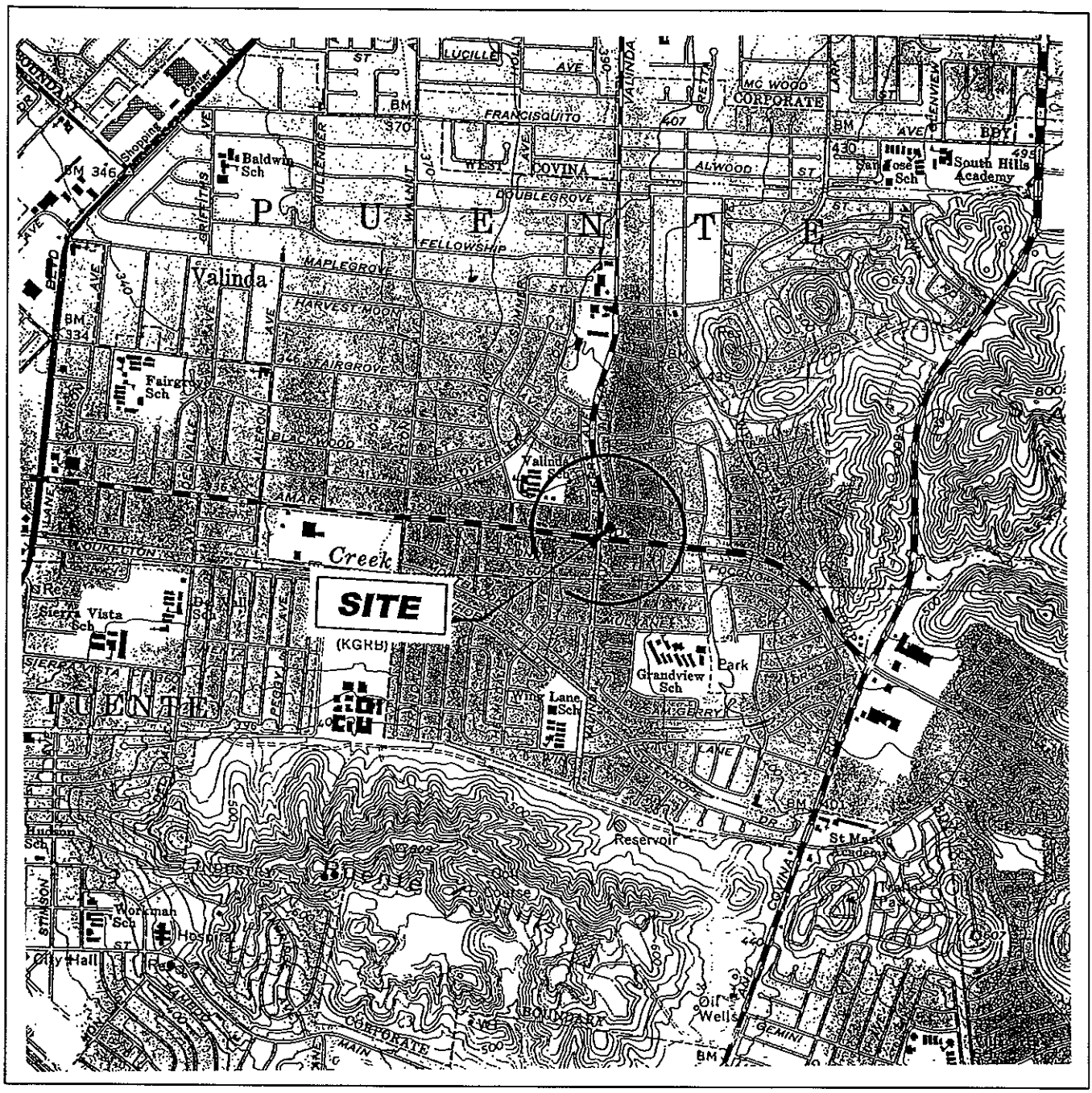
If you have any questions or comments concerning this correspondence, please contact Paul McCarter at (949) 860-0212

Report signed by,
DELTA ENVIRONMENTAL CONSULTANTS, INC.

Paul N. McCarter. R.G
California Registered Geologist No. 5243

1-12-05
Date

REGISTERED GEOLOGIST
PAUL N. McCARTER
No. 5243
STATE OF CALIFORNIA



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
BALDWIN PARK, CA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP
1966
PHOTOREVISED 1981

QUADRANGLE LOCATION

N

0 2000 FT

SCALE: 1 : 24,000

FIGURE 1
SITE LOCATION MAP
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CA.

PROJECT NO. AM00-656		DRAWN BY
FILE NO. 8-659-01		PREPARED BY N. SAADEH
DATE 28 MAY 02	REV.	REVIEWED BY

Delta Environmental Consultants, Inc.

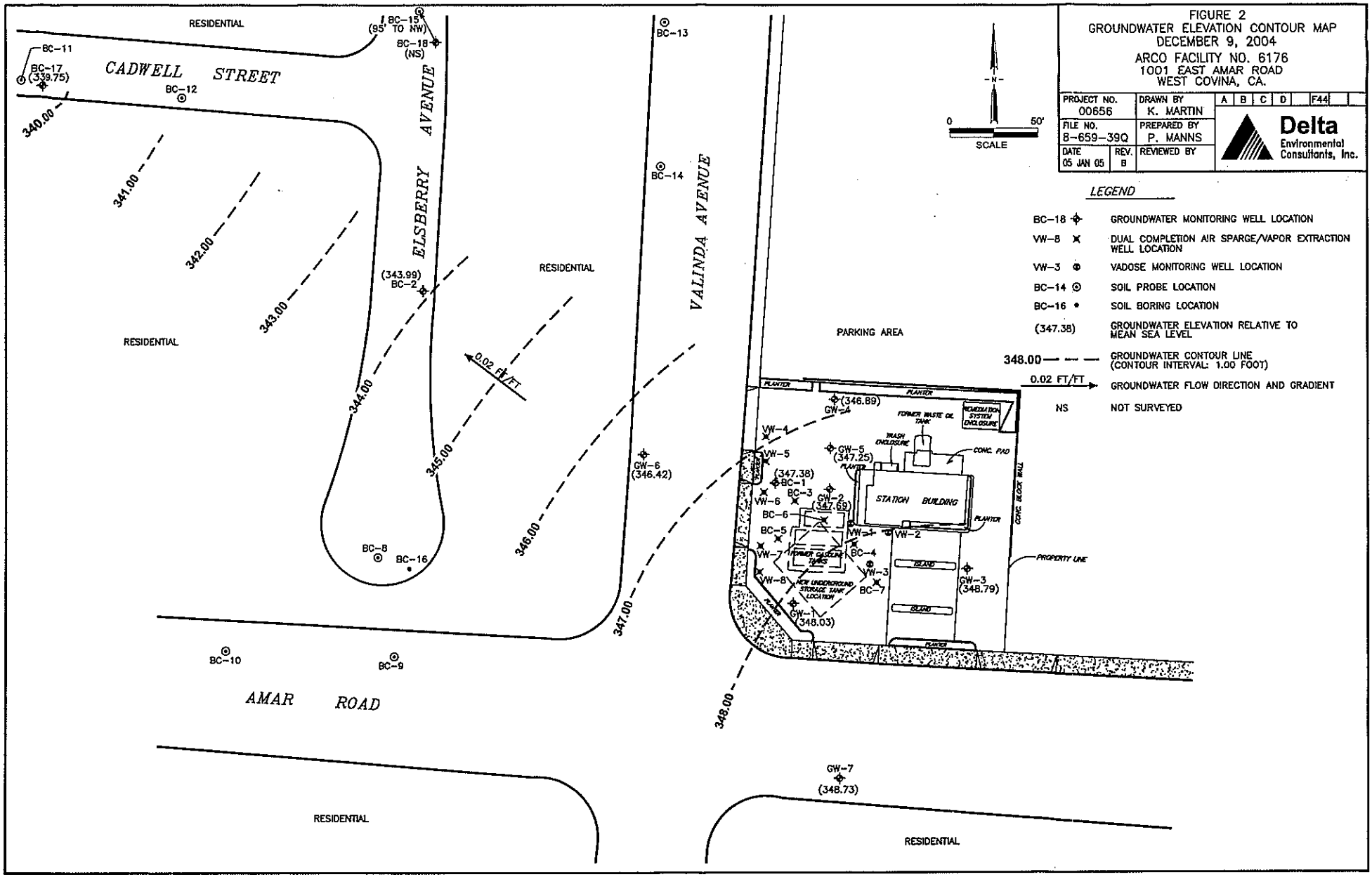


FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 9, 2004
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CA.

PROJECT NO. 00656	DRAWN BY K. MARTIN	A B C D F44	Delta Environmental Consultants, Inc.
FILE NO. 8-659-39Q	PREPARED BY P. MANNS		
DATE 05 JAN 05	REV. B	REVIEWED BY	

LEGEND

BC-18	GROUNDWATER MONITORING WELL LOCATION
VW-8	DUAL COMPLETION AIR SPARGE/VAPOR EXTRACTION WELL LOCATION
VW-3	VADOSE MONITORING WELL LOCATION
BC-14	SOIL PROBE LOCATION
BC-16	SOIL BORING LOCATION
(347.38)	GROUNDWATER ELEVATION RELATIVE TO MEAN SEA LEVEL
348.00	GROUNDWATER CONTOUR LINE (CONTOUR INTERVAL: 1.00 FOOT)
0.02 FT/FT	GROUNDWATER FLOW DIRECTION AND GRADIENT
NS	NOT SURVEYED

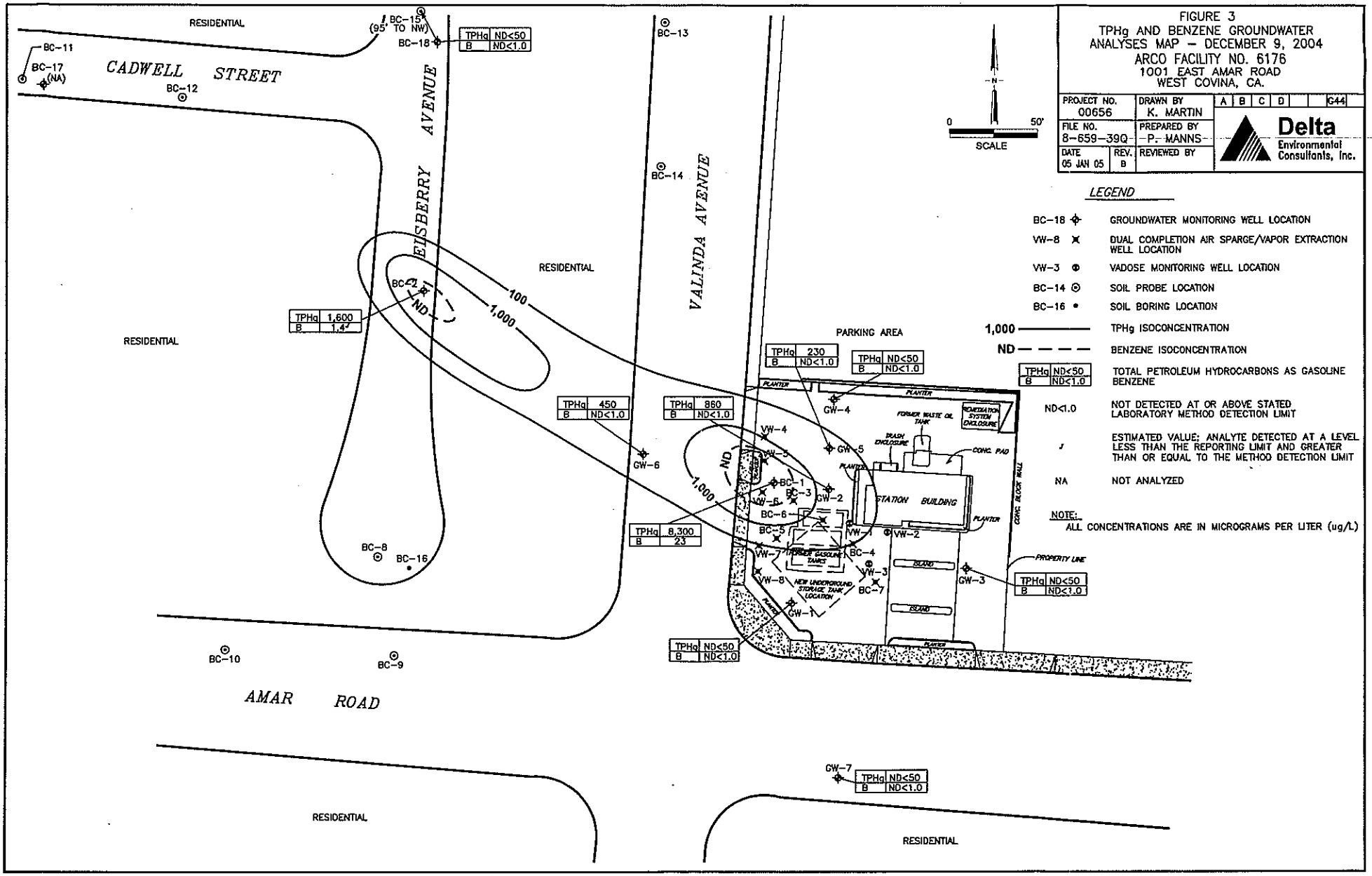


FIGURE 3
TPHg AND BENZENE GROUNDWATER ANALYSES MAP – DECEMBER 9, 2004
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CA.

PROJECT NO. 00656	DRAWN BY K. MARTIN	A B C D	G44
FILE NO. 8-659-39Q	PREPARED BY P. MANNS	Delta Environmental Consultants, Inc.	
DATE 05 JAN 05	REV. B	REVIEWED BY	

LEGEND

BC-18	GROUNDWATER MONITORING WELL LOCATION
VW-8	DUAL COMPLETION AIR SPARGE/VAPOR EXTRACTION WELL LOCATION
VW-3	VADOSE MONITORING WELL LOCATION
BC-14	SOIL PROBE LOCATION
BC-16	SOIL BORING LOCATION
1,000	TPHg ISOCONCENTRATION
ND	BENZENE ISOCONCENTRATION
TPHg ND<50 / B ND<1.0	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE / BENZENE
ND<1.0	NOT DETECTED AT OR ABOVE STATED LABORATORY METHOD DETECTION LIMIT
J	ESTIMATED VALUE; ANALYTE DETECTED AT A LEVEL LESS THAN THE REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
NA	NOT ANALYZED

NOTE:
ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L)

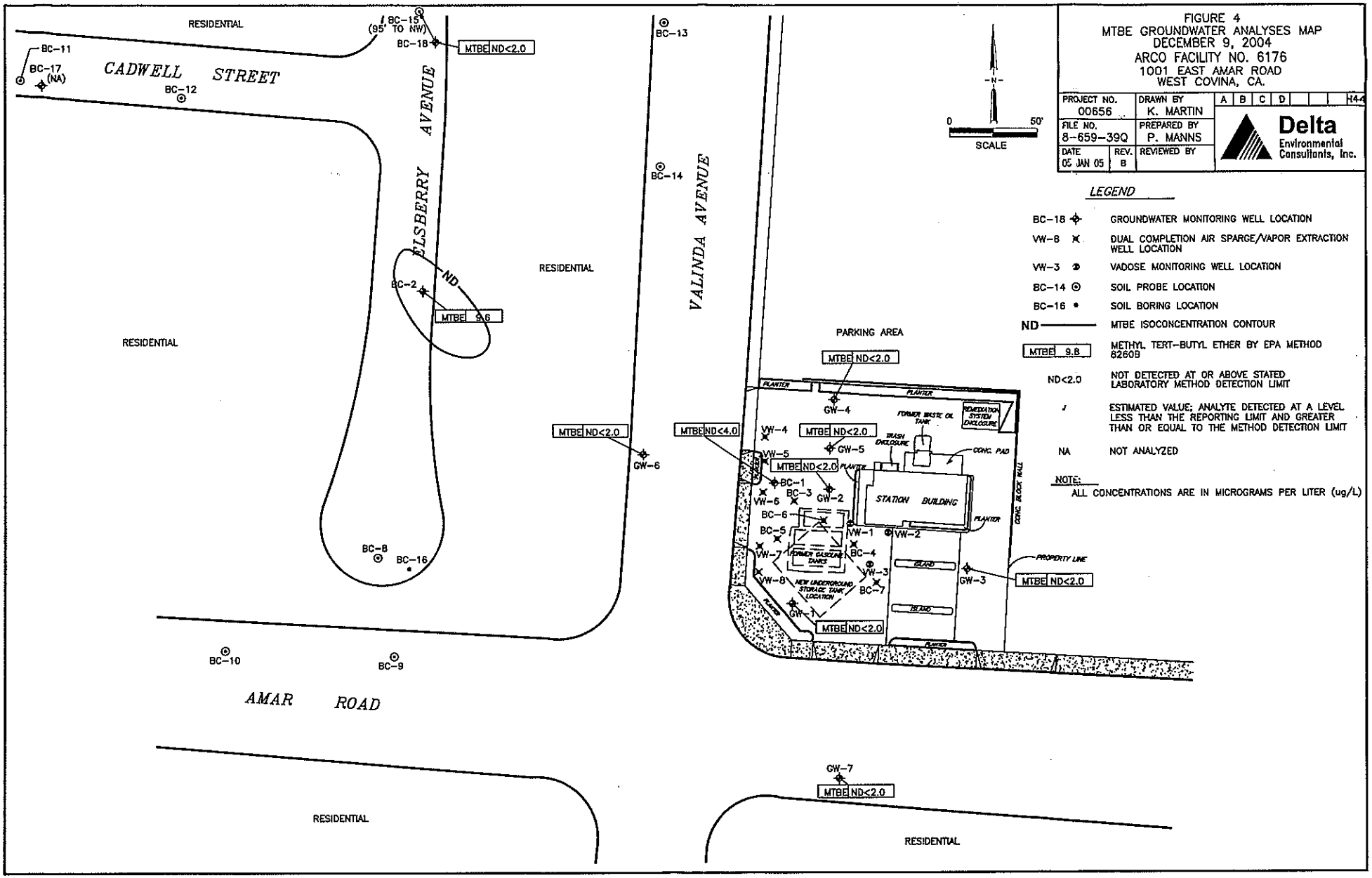


FIGURE 4
MTBE GROUNDWATER ANALYSES MAP
DECEMBER 9, 2004
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CA.

PROJECT NO. 00656	DRAWN BY K. MARTIN	A B C D H4-4
FILE NO. 8-659-39Q	PREPARED BY P. MANNS	Delta Environmental Consultants, Inc.
DATE 05 JAN 05 / REV. B	REVIEWED BY	

LEGEND

BC-18	GROUNDWATER MONITORING WELL LOCATION
VW-6	DUAL COMPLETION AIR SPARGE/VAPOR EXTRACTION WELL LOCATION
VW-3	VADOSE MONITORING WELL LOCATION
BC-14	SOIL PROBE LOCATION
BC-16	SOIL BORING LOCATION
ND	MTBE ISOCONCENTRATION CONTOUR
MTBE 9.8	METHYL TERT-BUTYL ETHER BY EPA METHOD 8260B
ND<2.0	NOT DETECTED AT OR ABOVE STATED LABORATORY METHOD DETECTION LIMIT
J	ESTIMATED VALUE; ANALYTE DETECTED AT A LEVEL LESS THAN THE REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
NA	NOT ANALYZED

NOTE:
ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L)

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
BC-1	3/18/1996	374.21	NA	23.58	NA	350.63	
BC-1	6/6/1996	374.21	NA	23.41	NA	350.80	
BC-1	9/25/1996	374.21	NA	24.06	NA	350.15	
BC-1	12/13/1996	374.21	NA	24.55	NA	349.66	
BC-1	2/27/1997	374.21	NA	23.30	NA	350.91	
BC-1	5/19/1997	374.21	NA	23.32	NA	350.89	
BC-1	7/28/1997	374.21	NA	23.69	NA	350.52	
BC-1	10/27/1997	374.21	NA	24.14	NA	350.07	
BC-1	3/18/1998	374.21	NA	22.33	NA	351.88	
BC-1	6/26/1998	374.21	NA	21.30	NA	352.91	
BC-1	8/27/1998	374.21	NA	21.45	NA	352.76	
BC-1	12/17/1998	374.21	NA	22.82	NA	351.39	
BC-1	3/23/1999	374.21	NA	22.42	NA	351.79	
BC-1	5/25/1999	374.21	NA	22.58	NA	351.63	
BC-1	8/24/1999	374.21	NA	23.20	NA	351.01	
BC-1	12/9/1999	374.21	NA	23.95	NA	350.26	
BC-1	2/22/2000	374.21	NA	24.46	NA	349.75	
BC-1	5/22/2000	374.74	NA	23.50	NA	351.24	
BC-1	8/24/2000	374.74	NA	24.18	NA	350.56	
BC-1	11/14/2000	374.74	NA	24.75	NA	349.99	
BC-1	2/12/2001	374.74	NA	25.23	NA	349.51	
BC-1	5/30/2001	374.74	NA	24.36	NA	350.38	
BC-1	8/14/2001	374.74	NA	24.67	NA	350.07	
BC-1	11/14/2001	374.74	NA	25.26	NA	349.48	
BC-1	2/13/2002	374.74	NA	24.90	NA	349.84	
BC-1	5/8/2002	374.74	NA	26.24	NA	348.50	
BC-1	8/13/2002	374.74	NA	26.68	NA	348.06	
BC-1	10/28/2002	374.74	NA	27.33	NA	347.41	
BC-1	1/22/2003	374.74	NA	27.65	NA	347.09	
BC-1	4/14/2003	374.74	NA	26.12	NA	348.62	
BC-1	7/9/2003	374.74	NA	25.97	NA	348.77	
BC-1	10/2/2003	374.74	NA	26.25	NA	348.49	
BC-1	1/6/2004	374.74	NA	27.29	NA	347.45	
BC-1	5/5/2004	374.74	NA	27.06	NA	347.68	
BC-1	9/2/2004	374.74	NA	28.38	NA	346.36	
BC-1	12/9/2004	374.74	NA	27.36	NA	347.38	
BC-2	3/18/1996	372.20	NA	24.80	NA	347.40	
BC-2	6/6/1996	372.20	NA	24.76	NA	347.44	
BC-2	9/25/1996	372.20	NA	25.01	NA	347.19	
BC-2	12/13/1996	372.20	NA	25.65	NA	346.55	
BC-2	2/27/1997	372.20	NA	24.30	NA	347.90	
BC-2	5/19/1997	372.20	NA	24.16	NA	348.04	
BC-2	7/28/1997	372.20	NA	24.33	NA	347.87	
BC-2	10/27/1997	372.20	NA	24.95	NA	347.25	
BC-2	3/18/1998	372.20	NA	23.59	NA	348.61	
BC-2	6/26/1998	372.20	NA	22.32	NA	349.88	
BC-2	8/27/1998	372.20	NA	22.32	NA	349.88	
BC-2	12/17/1998	372.20	NA	23.79	NA	348.41	
BC-2	3/23/1999	372.20	NA	23.26	NA	348.94	
BC-2	5/25/1999	372.20	NA	23.45	NA	348.75	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
BC-2	8/24/1999	372.20	NA	24.30	NA	347.90	
BC-2	12/9/1999	372.20	NA	24.64	NA	347.56	
BC-2	2/22/2000	372.20	NA	25.15	NA	347.05	
BC-2	5/22/2000	372.46	NA	24.44	NA	348.02	
BC-2	8/24/2000	372.46	NA	25.10	NA	347.36	
BC-2	11/14/2000	372.46	NA	25.51	NA	346.95	
BC-2	2/12/2001	372.46	NA	25.96	NA	346.50	
BC-2	5/30/2001	372.46	NA	25.08	NA	347.38	
BC-2	8/14/2001	372.46	NA	25.44	NA	347.02	
BC-2	11/14/2001	372.46	NA	26.03	NA	346.43	
BC-2	2/13/2002	372.46	NA	26.48	NA	345.98	
BC-2	5/8/2002	372.46	NA	26.92	NA	345.54	
BC-2	8/13/2002	372.46	NA	27.45	NA	345.01	
BC-2	10/28/2002	372.46	NA	28.02	NA	344.44	
BC-2	1/22/2003	372.46	NA	29.22	NA	343.24	
BC-2	4/14/2003	372.46	NA	27.72	NA	344.74	
BC-2	7/9/2003	372.46	NA	27.45	NA	345.01	
BC-2	10/2/2003	372.46	NA	27.71	NA	344.75	
BC-2	1/6/2004	372.46	NA	28.13	NA	344.33	
BC-2	5/5/2004	372.46	NA	27.99	NA	344.47	
BC-2	9/2/2004	372.46	NA	29.24	NA	343.22	
BC-2	12/9/2004	372.46	NA	28.47	NA	343.99	
BC-17	9/25/1996	374.08	NA	31.31	NA	342.77	
BC-17	12/13/1996	374.08	NA	31.68	NA	342.40	
BC-17	2/27/1997	374.08	NA	30.78	NA	343.30	
BC-17	5/19/1997	374.08	NA	30.53	NA	343.55	
BC-17	7/28/1997	374.08	NA	30.71	NA	343.37	
BC-17	10/27/1997	374.08	NA	31.16	NA	342.92	
BC-17	3/18/1998	374.08	NA	30.19	NA	343.89	
BC-17	6/26/1998	374.08	NA	29.84	NA	344.24	
BC-17	8/27/1998	374.08	NA	28.73	NA	345.35	
BC-17	12/17/1998	374.08	NA	30.03	NA	344.05	
BC-17	3/23/1999	374.08	NA	29.32	NA	344.76	
BC-17	5/25/1999	374.08	NA	29.53	NA	344.55	
BC-17	8/24/1999	374.08	NA	30.00	NA	344.08	
BC-17	12/9/1999	374.08	NA	29.60	NA	344.48	
BC-17	2/22/2000	374.08	NA	31.10	NA	342.98	
BC-17	5/22/2000	374.31	NA	30.61	NA	343.70	
BC-17	8/24/2000	374.31	NA	31.12	NA	343.19	
BC-17	11/14/2000	374.31	NA	31.51	NA	342.80	
BC-17	2/12/2001	374.31	NA	31.94	NA	342.37	
BC-17	5/30/2001	374.31	NA	31.26	NA	343.05	
BC-17	8/14/2001	374.31	NA	31.60	NA	342.71	
BC-17	11/14/2001	374.31	NA	32.08	NA	342.23	
BC-17	2/13/2002	374.31	NA	32.51	NA	341.80	
BC-17	5/8/2002	374.31	NA	32.95	NA	341.36	
BC-17	8/13/2002	374.31	NA	33.41	NA	340.90	
BC-17	10/28/2002	374.31	NA	33.98	NA	340.33	
BC-17	1/22/2003	374.31	NA	NA	NA	NA	Well dry
BC-17	4/14/2003	374.31	NA	34.08	NA	340.23	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
BC-17	7/9/2003	374.31	NA	33.85	NA	340.46	
BC-17	10/2/2003	374.31	NA	34.05	NA	340.26	
BC-17	1/6/2004	374.31	NA	34.37	NA	339.94	
BC-17	5/5/2004	374.31	NA	34.37	NA	339.94	
BC-17	9/2/2004	374.31	NA	NA	NA	NA	Dry
BC-17	12/9/2004	374.31	NA	34.56	NA	339.75	
BC-18	9/25/1996	373.07	NA	26.39	NA	346.68	
BC-18	12/13/1996	373.07	NA	26.90	NA	346.17	
BC-18	2/27/1997	373.07	NA	25.88	NA	347.19	
BC-18	5/19/1997	373.07	NA	25.76	NA	347.31	
BC-18	7/28/1997	373.07	NA	25.95	NA	347.12	
BC-18	10/27/1997	373.07	NA	26.44	NA	346.63	
BC-18	3/18/1998	373.07	NA	25.25	NA	347.82	
BC-18	6/26/1998	373.07	NA	23.87	NA	349.20	
BC-18	8/27/1998	373.07	NA	23.82	NA	349.25	
BC-18	12/17/1998	373.07	NA	25.22	NA	347.85	
BC-18	3/23/1999	373.07	NA	24.75	NA	348.32	
BC-18	5/25/1999	373.07	NA	24.94	NA	348.13	
BC-18	8/24/1999	373.07	NA	25.45	NA	347.62	
BC-18	12/9/1999	373.07	NA	26.09	NA	346.98	
BC-18	2/22/2000	373.07	NA	26.60	NA	346.47	
BC-18	5/22/2000	373.31	NA	25.95	NA	347.36	
BC-18	8/24/2000	373.31	NA	26.55	NA	346.76	
BC-18	11/14/2000	373.31	NA	26.95	NA	346.36	
BC-18	2/12/2001	373.31	NA	27.41	NA	345.90	
BC-18	5/30/2001	373.31	NA	26.58	NA	346.73	
BC-18	8/14/2001	373.31	NA	26.91	NA	346.40	
BC-18	11/14/2001	373.31	NA	27.48	NA	345.83	
BC-18	2/13/2002	373.31	NA	27.95	NA	345.36	
BC-18	5/8/2002	373.31	NA	28.38	NA	344.93	
BC-18	8/13/2002	373.31	NA	28.87	NA	344.44	
BC-18	10/28/2002	NA	NA	NA	NA	NA	Could not locate well
BC-18	1/22/2003	NA	NA	NA	NA	NA	Could not locate well
BC-18	4/14/2003	NA	NA	NA	NA	NA	Could not locate well
BC-18	7/9/2003	NA	NA	NA	NA	NA	Could not locate well
BC-18	10/2/2003	NA	NA	NA	NA	NA	Could not locate well. Well located & repaired on 10/7/03.
BC-18	1/6/2004	NA	NA	29.54	NA	NA	
BC-18	5/5/2004	NA	NA	29.43	NA	NA	
BC-18	9/2/2004	NA	NA	30.63	NA	NA	
BC-18	12/9/2004	NA	NA	29.72	NA	NA	
GW-1	3/18/1996	374.24	NA	22.80	NA	351.44	
GW-1	6/6/1996	374.24	NA	22.70	NA	351.54	
GW-1	9/25/1996	374.24	NA	23.35	NA	350.89	
GW-1	12/13/1996	374.24	NA	23.82	NA	350.42	
GW-1	2/27/1997	374.24	NA	21.75	NA	352.49	
GW-1	5/19/1997	374.24	NA	21.69	NA	352.55	
GW-1	7/28/1997	374.24	NA	21.89	NA	352.35	
GW-1	10/27/1997	374.24	NA	22.95	NA	351.29	
GW-1	3/18/1998	374.24	NA	20.52	NA	353.72	
GW-1	6/26/1998	374.24	NA	19.60	NA	354.64	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
GW-1	8/27/1998	374.24	NA	19.98	NA	354.26	
GW-1	12/17/1998	374.24	NA	21.10	NA	353.14	
GW-1	3/23/1999	374.24	NA	21.13	NA	353.11	
GW-1	5/25/1999	374.24	NA	21.25	NA	352.99	
GW-1	8/24/1999	374.24	NA	21.89	NA	352.35	
GW-1	12/9/1999	374.24	NA	22.65	NA	351.59	
GW-1	2/22/2000	374.24	NA	23.11	NA	351.13	
GW-1	5/22/2000	373.84	NA	22.16	NA	351.68	
GW-1	8/24/2000	373.84	NA	22.88	NA	350.96	
GW-1	11/14/2000	373.84	NA	23.42	NA	350.42	
GW-1	2/12/2001	373.84	NA	23.90	NA	349.94	
GW-1	5/30/2001	373.84	NA	22.78	NA	351.06	
GW-1	8/14/2001	373.84	NA	23.22	NA	350.62	
GW-1	11/14/2001	373.84	NA	23.89	NA	349.95	
GW-1	2/13/2002	373.84	NA	24.38	NA	349.46	
GW-1	5/8/2002	373.84	NA	24.87	NA	348.97	
GW-1	8/13/2002	373.84	NA	24.99	NA	348.85	
GW-1	10/28/2002	373.84	NA	25.97	NA	347.87	
GW-1	1/22/2003	373.84	NA	27.03	NA	346.81	
GW-1	4/14/2003	373.84	NA	24.43	NA	349.41	
GW-1	7/9/2003	373.84	NA	23.87	NA	349.97	
GW-1	10/2/2003	373.84	NA	25.29	NA	348.55	
GW-1	1/6/2004	373.84	NA	25.81	NA	348.03	
GW-1	5/5/2004	373.84	NA	25.59	NA	348.25	
GW-1	9/2/2004	373.84	NA	26.18	NA	347.66	
GW-1	12/9/2004	373.84	NA	25.81	NA	348.03	
GW-2	3/18/1996	375.18	NA	24.20	NA	350.98	
GW-2	6/6/1996	375.18	NA	24.02	NA	351.16	
GW-2	9/25/1996	375.18	NA	24.61	NA	350.57	
GW-2	12/13/1996	375.18	NA	25.15	NA	350.03	
GW-2	2/27/1997	375.18	NA	23.62	NA	351.56	
GW-2	5/19/1997	375.18	NA	23.65	NA	351.53	
GW-2	7/28/1997	375.18	NA	23.96	NA	351.22	
GW-2	10/27/1997	375.18	NA	24.10	NA	351.08	
GW-2	3/18/1998	375.18	NA	22.57	NA	352.61	
GW-2	6/26/1998	375.18	NA	21.16	NA	354.02	
GW-2	8/27/1998	375.18	NA	21.81	NA	353.37	
GW-2	12/17/1998	375.18	NA	23.18	NA	352.00	
GW-2	3/23/1999	375.18	NA	22.86	NA	352.32	
GW-2	5/25/1999	375.18	NA	22.97	NA	352.21	
GW-2	8/24/1999	375.18	NA	23.65	NA	351.53	
GW-2	12/9/1999	375.18	NA	24.38	NA	350.80	
GW-2	2/22/2000	375.18	NA	24.86	NA	350.32	
GW-2	5/22/2000	375.22	NA	23.86	NA	351.36	
GW-2	8/24/2000	375.22	NA	24.49	NA	350.73	
GW-2	11/14/2000	375.22	NA	25.16	NA	350.06	
GW-2	2/12/2001	375.22	NA	25.63	NA	349.59	
GW-2	5/30/2001	375.22	NA	24.49	NA	350.73	
GW-2	8/14/2001	375.22	NA	25.00	NA	350.22	
GW-2	11/14/2001	375.22	NA	25.65	NA	349.57	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
GW-2	2/13/2002	375.22	NA	25.71	NA	349.51	
GW-2	5/8/2002	375.22	NA	26.61	NA	348.61	
GW-2	8/13/2002	375.22	NA	26.96	NA	348.26	
GW-2	10/28/2002	375.22	NA	27.71	NA	347.51	
GW-2	1/22/2003	375.22	NA	28.94	NA	346.28	
GW-2	4/14/2003	375.22	NA	26.38	NA	348.84	
GW-2	7/9/2003	375.22	NA	26.50	NA	348.72	
GW-2	10/2/2003	375.22	NA	26.92	NA	348.30	
GW-2	1/6/2004	375.22	NA	27.60	NA	347.62	
GW-2	5/5/2004	375.22	NA	27.39	NA	347.83	
GW-2	9/2/2004	375.22	NA	27.96	NA	347.26	
GW-2	12/9/2004	375.22	NA	27.53	NA	347.69	
GW-3	3/18/1996	375.63	NA	23.40	NA	352.23	
GW-3	6/6/1996	375.63	NA	23.24	NA	352.39	
GW-3	9/25/1996	375.63	NA	23.92	NA	351.71	
GW-3	12/13/1996	375.63	NA	24.06	NA	351.57	
GW-3	2/27/1997	375.63	NA	23.86	NA	351.77	
GW-3	5/19/1997	375.63	NA	23.88	NA	351.75	
GW-3	7/28/1997	375.63	NA	23.40	NA	352.23	
GW-3	10/27/1997	375.63	NA	23.98	NA	351.65	
GW-3	3/18/1998	375.63	NA	21.67	NA	353.96	
GW-3	6/26/1998	375.63	NA	20.89	NA	354.74	
GW-3	8/27/1998	375.63	NA	21.01	NA	354.62	
GW-3	12/17/1998	375.63	NA	22.61	NA	353.02	
GW-3	3/23/1999	375.63	NA	22.15	NA	353.48	
GW-3	5/25/1999	375.63	NA	22.34	NA	353.29	
GW-3	8/24/1999	375.63	NA	23.98	NA	351.65	
GW-3	12/9/1999	375.63	NA	23.74	NA	351.89	
GW-3	2/22/2000	375.63	NA	24.25	NA	351.38	
GW-3	5/22/2000	375.70	NA	23.34	NA	352.36	
GW-3	8/24/2000	375.70	NA	23.99	NA	351.71	
GW-3	11/14/2000	375.70	NA	24.52	NA	351.18	
GW-3	2/12/2001	375.70	NA	25.00	NA	350.70	
GW-3	5/30/2001	375.70	NA	23.88	NA	351.82	
GW-3	8/14/2001	375.70	NA	24.31	NA	351.39	
GW-3	11/14/2001	375.70	NA	24.99	NA	350.71	
GW-3	2/13/2002	375.70	NA	25.52	NA	350.18	
GW-3	5/8/2002	375.70	NA	25.99	NA	349.71	
GW-3	8/13/2002	375.70	NA	26.48	NA	349.22	
GW-3	10/28/2002	375.70	NA	27.07	NA	348.63	
GW-3	1/22/2003	375.70	NA	27.89	NA	347.81	
GW-3	4/14/2003	375.70	NA	26.42	NA	349.28	
GW-3	7/9/2003	375.70	NA	26.10	NA	349.60	
GW-3	10/2/2003	375.70	NA	26.39	NA	349.31	
GW-3	1/6/2004	375.70	NA	NA	NA	NA	Could not access due to construction
GW-3	5/5/2004	375.70	NA	26.71	NA	348.99	
GW-3	9/2/2004	375.70	NA	27.28	NA	348.42	
GW-3	12/9/2004	375.70	NA	26.91	NA	348.79	
GW-4	3/18/1996	375.28	NA	24.90	NA	350.38	
GW-4	6/6/1996	375.28	NA	24.61	NA	350.67	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
GW-4	9/25/1996	375.28	NA	25.29	NA	349.99	
GW-4	12/13/1996	375.28	NA	25.85	NA	349.43	
GW-4	2/27/1997	375.28	NA	24.50	NA	350.78	
GW-4	5/19/1997	375.28	NA	24.32	NA	350.96	
GW-4	7/28/1997	375.28	NA	24.80	NA	350.48	
GW-4	10/27/1997	375.28	NA	25.40	NA	349.88	
GW-4	3/18/1998	375.28	NA	23.53	NA	351.75	
GW-4	6/26/1998	375.28	NA	22.42	NA	352.86	
GW-4	8/27/1998	375.28	NA	22.41	NA	352.87	
GW-4	12/17/1998	375.28	NA	23.99	NA	351.29	
GW-4	3/23/1999	375.28	NA	23.50	NA	351.78	
GW-4	5/25/1999	375.28	NA	23.71	NA	351.57	
GW-4	8/24/1999	375.28	NA	24.30	NA	350.98	
GW-4	12/9/1999	375.28	NA	25.01	NA	350.27	
GW-4	2/22/2000	375.28	NA	25.54	NA	349.74	
GW-4	5/22/2000	375.40	NA	24.68	NA	350.72	
GW-4	8/24/2000	375.40	NA	25.38	NA	350.02	
GW-4	11/14/2000	375.40	NA	25.88	NA	349.52	
GW-4	2/12/2001	375.40	NA	26.39	NA	349.01	
GW-4	5/30/2001	375.40	NA	25.35	NA	350.05	
GW-4	8/14/2001	375.40	NA	25.74	NA	349.66	
GW-4	11/14/2001	375.40	NA	26.40	NA	349.00	
GW-4	2/13/2002	375.40	NA	26.95	NA	348.45	
GW-4	5/8/2002	375.40	NA	27.41	NA	347.99	
GW-4	8/13/2002	375.40	NA	27.94	NA	347.46	
GW-4	10/28/2002	375.40	NA	28.54	NA	346.86	
GW-4	1/22/2003	375.40	NA	29.75	NA	345.65	
GW-4	4/14/2003	375.40	NA	28.00	NA	347.40	
GW-4	7/9/2003	375.40	NA	27.69	NA	347.71	
GW-4	10/2/2003	375.40	NA	27.93	NA	347.47	
GW-4	1/6/2004	375.40	NA	28.47	NA	346.93	
GW-4	5/5/2004	375.40	NA	28.28	NA	347.12	
GW-4	9/2/2004	375.40	NA	28.81	NA	346.59	
GW-4	12/9/2004	375.40	NA	28.51	NA	346.89	
GW-5	3/18/1996	375.02	NA	24.30	NA	350.72	
GW-5	6/6/1996	375.02	NA	24.09	NA	350.93	
GW-5	9/25/1996	375.02	NA	24.65	NA	350.37	
GW-5	12/13/1996	375.02	NA	24.87	NA	350.15	
GW-5	2/27/1997	375.02	NA	23.78	NA	351.24	
GW-5	5/19/1997	375.02	NA	23.70	NA	351.32	
GW-5	7/28/1997	375.02	NA	24.16	NA	350.86	
GW-5	10/27/1997	375.02	NA	24.76	NA	350.26	
GW-5	3/18/1998	375.02	NA	22.84	NA	352.18	
GW-5	6/26/1998	375.02	NA	21.79	NA	353.23	
GW-5	8/27/1998	375.02	NA	21.91	NA	353.11	
GW-5	12/17/1998	375.02	NA	23.46	NA	351.56	
GW-5	3/23/1999	375.02	NA	22.97	NA	352.05	
GW-5	5/25/1999	375.02	NA	23.14	NA	351.88	
GW-5	8/24/1999	375.02	NA	23.77	NA	351.25	
GW-5	12/9/1999	375.02	NA	24.53	NA	350.49	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
GW-5	2/22/2000	375.02	NA	25.02	NA	350.00	
GW-5	5/22/2000	375.13	NA	24.09	NA	351.04	
GW-5	8/24/2000	375.13	NA	24.72	NA	350.41	
GW-5	11/14/2000	375.13	NA	25.32	NA	349.81	
GW-5	2/12/2001	375.13	NA	25.82	NA	349.31	
GW-5	5/30/2001	375.13	NA	24.70	NA	350.43	
GW-5	8/14/2001	375.13	NA	25.18	NA	349.95	
GW-5	11/14/2001	375.13	NA	25.85	NA	349.28	
GW-5	2/13/2002	375.13	NA	26.35	NA	348.78	
GW-5	5/8/2002	375.13	NA	26.85	NA	348.28	
GW-5	8/13/2002	375.13	NA	27.31	NA	347.82	
GW-5	10/28/2002	375.13	NA	27.95	NA	347.18	
GW-5	1/22/2003	375.13	NA	28.27	NA	346.86	
GW-5	4/14/2003	375.13	NA	27.36	NA	347.77	
GW-5	7/9/2003	375.13	NA	26.94	NA	348.19	
GW-5	10/2/2003	375.13	NA	27.28	NA	347.85	
GW-5	1/6/2004	375.13	NA	NA	NA	NA	Well not gauged
GW-5	5/5/2004	375.13	NA	27.63	NA	347.50	
GW-5	9/2/2004	375.13	NA	28.23	NA	346.90	
GW-5	12/9/2004	375.13	NA	27.88	NA	347.25	
GW-6	3/18/1996	373.59	NA	23.75	NA	349.84	
GW-6	6/6/1996	373.59	NA	23.52	NA	350.07	
GW-6	9/25/1996	373.59	NA	24.21	NA	349.38	
GW-6	12/13/1996	373.59	NA	24.65	NA	348.94	
GW-6	2/27/1997	373.59	NA	23.26	NA	350.33	
GW-6	5/19/1997	373.59	NA	23.20	NA	350.39	
GW-6	7/28/1997	373.59	NA	23.46	NA	350.13	
GW-6	10/27/1997	373.59	NA	24.24	NA	349.35	
GW-6	3/18/1998	373.59	NA	22.18	NA	351.41	
GW-6	6/26/1998	373.59	NA	21.25	NA	352.34	
GW-6	8/27/1998	373.59	NA	21.36	NA	352.23	
GW-6	12/17/1998	373.59	NA	22.91	NA	350.68	
GW-6	3/23/1999	373.59	NA	22.42	NA	351.17	
GW-6	5/25/1999	373.59	NA	22.61	NA	350.98	
GW-6	8/24/1999	373.59	NA	23.30	NA	350.29	
GW-6	12/9/1999	373.59	NA	23.89	NA	349.70	
GW-6	2/22/2000	373.59	NA	24.37	NA	349.22	
GW-6	5/22/2000	373.68	NA	23.56	NA	350.12	
GW-6	8/24/2000	373.68	NA	24.25	NA	349.43	
GW-6	11/14/2000	373.68	NA	24.68	NA	349.00	
GW-6	2/12/2001	373.68	NA	25.17	NA	348.51	
GW-6	5/30/2001	373.68	NA	24.14	NA	349.54	
GW-6	8/14/2001	373.68	NA	24.55	NA	349.13	
GW-6	11/14/2001	373.68	NA	25.21	NA	348.47	
GW-6	2/13/2002	373.68	NA	25.67	NA	348.01	
GW-6	5/8/2002	373.68	NA	26.18	NA	347.50	
GW-6	8/13/2002	373.68	NA	26.69	NA	346.99	
GW-6	10/28/2002	373.68	NA	27.24	NA	346.44	
GW-6	1/22/2003	373.68	NA	28.06	NA	345.62	
GW-6	4/14/2003	373.68	NA	26.53	NA	347.15	

TABLE 1
HISTORICAL GROUNDWATER GAUGING DATA
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Measured	TOC Elevation (feet msl)	Depth to LPH (feet)	Depth to Water (feet)	LPH Thickness (feet)	Water Elevation (feet msl)	Comments
GW-6	7/9/2003	373.68	NA	26.45	NA	347.23	
GW-6	10/2/2003	373.68	NA	26.75	NA	346.93	
GW-6	1/6/2004	373.68	NA	27.24	NA	346.44	
GW-6	5/5/2004	373.68	NA	27.00	NA	346.68	
GW-6	9/2/2004	373.68	NA	27.59	NA	346.09	
GW-6	12/9/2004	373.68	NA	27.26	NA	346.42	
GW-7	3/18/1996	374.32	NA	22.00	NA	352.32	
GW-7	6/6/1996	374.32	NA	22.09	NA	352.23	
GW-7	9/25/1996	374.32	NA	22.74	NA	351.58	
GW-7	12/13/1996	374.32	NA	23.10	NA	351.22	
GW-7	2/27/1997	374.32	NA	21.42	NA	352.90	
GW-7	5/19/1997	374.32	NA	21.32	NA	353.00	
GW-7	7/28/1997	374.32	NA	21.53	NA	352.79	
GW-7	10/27/1997	374.32	NA	22.80	NA	351.52	
GW-7	3/18/1998	374.32	NA	19.95	NA	354.37	
GW-7	6/26/1998	374.32	NA	19.50	NA	354.82	
GW-7	8/27/1998	374.32	NA	19.79	NA	354.53	
GW-7	12/17/1998	374.32	NA	21.48	NA	352.84	
GW-7	3/23/1999	374.32	NA	21.97	NA	352.35	
GW-7	5/25/1999	374.32	NA	21.14	NA	353.18	
GW-7	8/24/1999	374.32	NA	22.80	NA	351.52	
GW-7	12/9/1999	374.32	NA	22.50	NA	351.82	
GW-7	2/22/2000	374.32	NA	22.93	NA	351.39	
GW-7	5/22/2000	374.42	NA	22.00	NA	352.42	
GW-7	8/24/2000	374.42	NA	22.75	NA	351.67	
GW-7	11/14/2000	374.42	NA	23.26	NA	351.16	
GW-7	2/12/2001	374.42	NA	23.73	NA	350.69	
GW-7	5/30/2001	374.42	NA	22.51	NA	351.91	
GW-7	8/14/2001	374.42	NA	23.02	NA	351.40	
GW-7	11/14/2001	374.42	NA	23.75	NA	350.67	
GW-7	2/13/2002	374.42	NA	24.23	NA	350.19	
GW-7	5/8/2002	374.42	NA	24.74	NA	349.68	
GW-7	8/13/2002	374.42	NA	25.28	NA	349.14	
GW-7	10/28/2002	374.42	NA	25.83	NA	348.59	
GW-7	1/22/2003	374.42	NA	27.04	NA	347.38	
GW-7	4/14/2003	374.42	NA	25.08	NA	349.34	
GW-7	7/9/2003	374.42	NA	24.83	NA	349.59	
GW-7	10/2/2003	374.42	NA	25.20	NA	349.22	
GW-7	1/6/2004	374.42	NA	25.74	NA	348.68	
GW-7	5/5/2004	374.42	NA	25.44	NA	348.98	
GW-7	9/2/2004	374.42	NA	26.05	NA	348.37	
GW-7	12/9/2004	374.42	NA	25.69	NA	348.73	

Notes: TOC = Top of casing elevation (relative to mean sea level)

LPH = Liquid-phase hydrocarbons

NA = Not applicable/available

All values are given in feet

Wells surveyed June 12, 2000, by Cal Vada Surveying, Inc. relative to Benchmark DG3633

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
BC-1	3/18/1996	75000	10000	14000	3600	16000	NA	NA	NA	NA	NA	NA	NA	
BC-1	6/6/1996	74000	9100	13000	3600	16000	21000	NA	NA	NA	NA	NA	NA	
BC-1	9/25/1996	70000	6100	8600	2800	12000	37000	NA	NA	NA	NA	NA	NA	
BC-1	12/13/1996	49000	4100	5300	2200	10000	16000	NA	NA	NA	NA	NA	NA	
BC-1	2/27/1997	53000	7800	7300	2100	9000	59000	NA	NA	NA	NA	NA	NA	
BC-1	5/19/1997	38000	6000	4900	1800	8200	56000	NA	NA	NA	NA	NA	NA	
BC-1	7/28/1997	44000	5600	4600	2500	10000	48000	NA	NA	NA	NA	NA	NA	
BC-1	10/27/1997	34000	3600	3100	2200	8600	45000	NA	NA	NA	NA	NA	NA	
BC-1	3/18/1998	55000	5400	8800	2100	9900	26000	NA	NA	NA	NA	NA	NA	
BC-1	6/26/1998	48000	4600	6800	1800	8900	35000	NA	NA	NA	NA	NA	NA	
BC-1	8/27/1998	28000	3000	3400	1600	7100	35000	NA	NA	NA	NA	NA	NA	
BC-1	12/17/1998	21000	1700	1700	1300	5200	16000	NA	NA	NA	NA	NA	NA	
BC-1	3/23/1999	29000	1700	1300	1500	4800	13000	NA	NA	NA	NA	NA	NA	
BC-1	5/25/1999	12000	1000	500	770	2000	NA	13000	NA	NA	NA	NA	NA	
BC-1	8/24/1999	21000	2100	1000	1400	4200	NA	7600	NA	NA	NA	NA	NA	
BC-1	12/9/1999	23000	2200	1600	1400	4000	NA	3000	NA	NA	NA	NA	NA	
BC-1	2/22/2000	24000	2700	2400	2000	6100	NA	1400	ND<20	ND<28	ND<32	2000	NA	
BC-1	5/22/2000	42000	4500	5100	2600	9800	NA	970	ND<25	ND<28	ND<34	1000J	NA	
BC-1	8/24/2000	36000	2100	2100	1700	5400	NA	390	ND<20	ND<23	ND<27	690J	NA	
BC-1	11/14/2000	41000	1800	2100	1900	6400	NA	270	ND<20	ND<23	ND<27	630J	NA	
BC-1	2/12/2001	28000	1700	1400	2200	6800	NA	ND<80	ND<80	ND<80	ND<80	ND<400	NA	
BC-1	5/30/2001	15000	760	280	950	3000	NA	ND<80	ND<80	ND<80	ND<80	ND<400	NA	
BC-1	8/14/2001	7900	470	180	740	1800	NA	28J	ND<20	ND<20	ND<20	210J	NA	
BC-1	11/14/2001	19000	600	570	1300	3400	NA	36J	ND<20	ND<20	ND<20	ND<100	NA	
BC-1	2/13/2002	16000	320	220	860	1900	NA	ND<20	ND<20	ND<20	ND<20	ND<100	NA	
BC-1	5/8/2002	17000	290	630	1600	5100	NA	ND<40	ND<40	ND<40	ND<40	ND<200	NA	
BC-1	8/13/2002	25000	160	430	1200	4000	NA	ND<40	ND<40	ND<40	ND<40	ND<200	NA	
BC-1	10/28/2002	20000	130	290	1200	3200	NA	ND<40	ND<40	ND<40	ND<40	ND<200	NA	
BC-1	1/22/2003	13000	200	350	1400	3500	NA	ND<40	ND<40	ND<40	ND<40	ND<200	ND<1000	
BC-1	4/14/2003	17000	76J	140	970	2300	NA	ND<40	ND<40	ND<40	ND<40	ND<200	ND<1000	
BC-1	7/9/2003	11000	27J	55	600	1300	NA	ND<20	ND<20	ND<20	ND<20	ND<100	ND<500	
BC-1	10/2/2003	7400	50	140	560	1500	NA	ND<20	ND<20	ND<20	ND<20	ND<100	ND<500	
BC-1	1/6/2004	8600	ND<10	45J	390	1300	NA	ND<20	ND<20	ND<20	ND<20	ND<100	ND<500	
BC-1	5/5/2004	5700	9.8J	11J	220	370	NA	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<40	ND<200	
BC-1	9/2/2004	6800	41J	38J	410	760	NA	ND<20	ND<20	ND<20	ND<20	ND<100	ND<500	
BC-1	12/9/2004	8300	23	23	280	430	NA	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<200	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
BC-2	3/18/1996	11000	1000	ND<6.0	1000	ND<12	NA	NA	NA	NA	NA	NA	NA	
BC-2	6/6/1996	11000	950	ND<6.0	830	34	2700	NA	NA	NA	NA	NA	NA	
BC-2	9/25/1996	14000	1400	ND<10	1100	34	5100	NA	NA	NA	NA	NA	NA	
BC-2	12/13/1996	12000	1200	ND<15	920	ND<30	4200	NA	NA	NA	NA	NA	NA	
BC-2	2/27/1997	9200	1100	ND<30	910	63	5200	NA	NA	NA	NA	NA	NA	
BC-2	5/19/1997	4400	760	6.0	830	24	4300	NA	NA	NA	NA	NA	NA	
BC-2	7/28/1997	10000	870	ND<6.0	970	ND<12	5600	NA	NA	NA	NA	NA	NA	
BC-2	10/27/1997	10000	820	ND<7.5	850	ND<15	7500	NA	NA	NA	NA	NA	NA	
BC-2	3/18/1998	7400	390	9.2	510	21	8200	NA	NA	NA	NA	NA	NA	
BC-2	6/26/1998	8100	94	ND<6.0	520	ND<12	6300	NA	NA	NA	NA	NA	NA	
BC-2	8/27/1998	7500	130	ND<10	510	20	12000	NA	NA	NA	NA	NA	NA	
BC-2	12/17/1998	6800	47	20	230	ND<12	13000	NA	NA	NA	NA	NA	NA	
BC-2	3/23/1999	5100	54	15	220	ND<12	15000	NA	NA	NA	NA	NA	NA	
BC-2	5/25/1999	4600	47	6.4	120	ND<12	NA	20000	NA	NA	NA	NA	NA	
BC-2	8/24/1999	4100	25	ND<3.0	77	ND<6.0	NA	19000	NA	NA	NA	NA	NA	
BC-2	12/9/1999	3400	17	11	55	ND<1.2	NA	20000	NA	NA	NA	NA	NA	
BC-2	2/22/2000	4200	ND<55	ND<47	ND<90	ND<410	NA	13000	ND<500	ND<700	ND<800	ND<12000	NA	
BC-2	5/22/2000	5300	21J	ND<2.3	36J	ND<20	NA	3100	ND<13	ND<14	ND<17	23000	NA	
BC-2	8/24/2000	6300	21J	ND<3.7	40J	ND<33	NA	710	ND<20	ND<23	ND<27	16000	NA	
BC-2	11/14/2000	6500	15	0.80J	25	ND<4.1	NA	340	ND<2.5	4.6J	ND<3.4	9300	NA	
BC-2	2/12/2001	4300	22J	ND<10	34J	ND<10	NA	230	ND<20	ND<20	ND<20	7900	NA	
BC-2	5/30/2001	4100	22J	ND<10	23J	ND<10	NA	130	ND<20	ND<20	ND<20	8600	NA	
BC-2	8/14/2001	3400	20J	ND<10	36J	20J	NA	98	ND<20	ND<20	ND<20	6000	NA	
BC-2	11/14/2001	3700	13J	ND<10	26J	ND<10	NA	40J	ND<20	ND<20	ND<20	2100	NA	
BC-2	2/13/2002	3400	12	ND<2.5	32	ND<2.5	NA	50	ND<5.0	ND<5.0	ND<5.0	1700	NA	
BC-2	5/8/2002	2800	11	ND<2.0	32	ND<2.0	NA	58	ND<4.0	ND<4.0	ND<4.0	1200	NA	
BC-2	8/13/2002	2500	7.0	ND<1.0	28	ND<1.0	NA	46	ND<2.0	ND<2.0	ND<2.0	710	NA	
BC-2	10/28/2002	2600	6.6	ND<1.0	33	ND<1.0	NA	45	ND<2.0	ND<2.0	ND<2.0	590	NA	
BC-2	1/22/2003	1900	5.0	ND<1.0	22	ND<1.0	NA	27	ND<2.0	ND<2.0	ND<2.0	420	ND<50	
BC-2	4/14/2003	2300	3.1J	ND<1.0	8.3	ND<1.0	NA	22	ND<2.0	ND<2.0	ND<2.0	360	ND<50	
BC-2	7/9/2003	1600	2.5J	ND<1.0	1.8J	ND<1.0	NA	9.6	ND<2.0	ND<2.0	ND<2.0	230	ND<50	
BC-2	10/2/2003	1500	1.9J	ND<1.0	1.3J	ND<1.0	NA	13	ND<2.0	ND<2.0	ND<2.0	160	ND<50	
BC-2	1/6/2004	1200	2.7J	ND<1.0	1.1J	ND<1.0	NA	15	ND<2.0	ND<2.0	ND<2.0	150	ND<50	
BC-2	5/5/2004	1400	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	12	ND<2.0	ND<2.0	ND<2.0	100	ND<50	
BC-2	9/2/2004	1300	1.3J	ND<1.0	ND<1.0	ND<1.0	NA	9.8	ND<2.0	ND<2.0	ND<2.0	57	ND<50	
BC-2	12/9/2004	1600	1.4J	ND<1.0	ND<1.0	ND<1.0	NA	9.6	ND<2.0	ND<2.0	ND<2.0	47	ND<100	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
BC-17	9/25/1996	140	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	12/13/1996	110	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	2/27/1997	69	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	7/28/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	10/27/1997	73	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	12/17/1998	100	ND<0.30	0.37	0.34	1.8	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-17	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	12	NA	NA	NA	NA	NA	
BC-17	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	24	NA	NA	NA	NA	NA	
BC-17	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	16	NA	NA	NA	NA	NA	
BC-17	2/22/2000	11	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	8.1	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
BC-17	5/22/2000	18J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	6.5	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-17	8/24/2000	ND<7.0	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	7.9	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-17	11/14/2000	9.6J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	3.4J	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-17	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	3.7J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	9.9	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	15	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	7.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	8.3	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	4.2J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	2.4J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-17	1/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well dry
BC-17	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	2.4J	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-17	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-17	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	2.3J	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-17	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	2.4J	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-17	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-17	9/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well dry
BC-18	9/25/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	12/13/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	2/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
BC-18	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	7/28/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	10/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	12/17/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
BC-18	5/25/1999	ND<50	ND<0.30	0.34	ND<0.30	0.88	NA	ND<5.0	NA	NA	NA	NA	NA	
BC-18	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
BC-18	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
BC-18	2/22/2000	ND<9.3	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	ND<0.28	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
BC-18	5/22/2000	51	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-18	8/24/2000	58	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-18	11/14/2000	28J	0.13J	0.13J	0.62J	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
BC-18	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	8/14/2001	ND<50	7.1	2.8J	16	37	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
BC-18	10/28/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Unable to locate well
BC-18	1/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BC-18	4/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Unable to locate well
BC-18	7/9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Unable to locate well.
BC-18	10/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Unable to locate well. Well located & repaired on 10/7/03.
BC-18	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-18	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-18	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
BC-18	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-1	3/18/1996	720	56	ND<0.6	0.62	2.2	NA	NA	NA	NA	NA	NA	NA	
GW-1	6/6/1996	490	9.7	ND<0.3	1.2	4.4	1500	NA	NA	NA	NA	NA	NA	
GW-1	9/25/1996	270	20	ND<0.30	0.39	ND<0.60	10000	NA	NA	NA	NA	NA	NA	
GW-1	12/13/1996	190	7.5	1.2	0.49	ND<0.6	3800	NA	NA	NA	NA	NA	NA	

TABLE 2
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ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-1	2/27/1997	1400	65	ND<3.0	4.5	7.2	7000	NA	NA	NA	NA	NA	NA	
GW-1	5/19/1997	290	28	ND<1.5	ND<1.5	ND<3.0	20000	NA	NA	NA	NA	NA	NA	
GW-1	7/28/1997	710	57	1.8	1.3	2.5	92000	NA	NA	NA	NA	NA	NA	
GW-1	10/27/1997	ND<650	ND<3.9	ND<3.9	ND<3.9	ND<7.8	9900	NA	NA	NA	NA	NA	NA	
GW-1	3/18/1998	290	14	ND<0.30	ND<0.30	ND<0.60	11000	NA	NA	NA	NA	NA	NA	
GW-1	6/26/1998	61	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1700	NA	NA	NA	NA	NA	NA	
GW-1	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	5600	NA	NA	NA	NA	NA	NA	
GW-1	12/17/1998	64	0.8	ND<0.30	ND<0.30	ND<0.60	850	NA	NA	NA	NA	NA	NA	
GW-1	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1600	NA	NA	NA	NA	NA	NA	
GW-1	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	240	NA	NA	NA	NA	NA	
GW-1	8/24/1999	53	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	810	NA	NA	NA	NA	NA	
GW-1	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	190	NA	NA	NA	NA	NA	
GW-1	2/22/2000	31	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	36	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-1	5/22/2000	57	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	140	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-1	8/24/2000	76	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	13	ND<0.50	ND<0.57	ND<0.68	11J	NA	
GW-1	11/14/2000	62	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	6.6	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-1	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	2.6J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	2/13/2002	56	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-1	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-1	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-2	3/18/1996	1400	12	ND<0.30	52	40	NA	NA	NA	NA	NA	NA	NA	
GW-2	6/6/1996	1700	6.7	0.71	60	53	750	NA	NA	NA	NA	NA	NA	
GW-2	9/25/1996	990	9.8	ND<0.60	31	29	1800	NA	NA	NA	NA	NA	NA	
GW-2	12/13/1996	2200	24	2.8	57	48	750	NA	NA	NA	NA	NA	NA	

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

ARCO Facility No. 6176

1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-2	2/27/1997	910	49	ND<0.30	24	16	3500	NA	NA	NA	NA	NA	NA	
GW-2	5/19/1997	550	5.3	0.36	12	11	2900	NA	NA	NA	NA	NA	NA	
GW-2	7/28/1997	230	1.2	ND<0.6	2.8	2.7	3400	NA	NA	NA	NA	NA	NA	
GW-2	10/27/1997	1100	2.5	1.9	37	34	2400	NA	NA	NA	NA	NA	NA	
GW-2	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1600	NA	NA	NA	NA	NA	NA	
GW-2	6/26/1998	190	1.2	ND<0.60	1.8	2.1	2800	NA	NA	NA	NA	NA	NA	
GW-2	8/27/1998	110	0.56	ND<0.30	ND<0.30	ND<0.60	3200	NA	NA	NA	NA	NA	NA	
GW-2	12/17/1998	110	0.4	ND<0.30	0.52	ND<0.60	950	NA	NA	NA	NA	NA	NA	
GW-2	3/23/1999	82	ND<0.30	ND<0.30	0.59	0.79	590	NA	NA	NA	NA	NA	NA	
GW-2	5/25/1999	160	1.5	ND<0.30	0.47	ND<0.60	NA	640	NA	NA	NA	NA	NA	
GW-2	8/24/1999	110	0.66	ND<0.30	0.41	ND<0.60	NA	360	NA	NA	NA	NA	NA	
GW-2	12/9/1999	110	ND<0.30	0.71	ND<0.30	ND<0.60	NA	290	NA	NA	NA	NA	NA	
GW-2	2/22/2000	360	ND<0.11	ND<0.093	7.3	3.2	NA	200	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-2	5/22/2000	94	ND<0.11	ND<0.093	0.18J	ND<0.82	NA	110	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-2	8/24/2000	570	ND<0.11	ND<0.093	6.0	2.5J	NA	82	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-2	11/14/2000	630	ND<0.11	ND<0.093	5.7	2.9J	NA	25	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-2	2/12/2001	660	ND<1.0	ND<1.0	4.1J	1.8J	NA	15	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	5/30/2001	63J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	6.2	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	8/14/2001	540	ND<1.0	ND<1.0	6.4	2.3J	NA	8.4	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	11/14/2001	380	ND<1.0	ND<1.0	2.8J	ND<1.0	NA	4.6	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	2/13/2002	570	ND<1.0	ND<1.0	5.3	1.7J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	5/8/2002	640	ND<1.0	ND<1.0	8.8	2.8J	NA	3.1J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	8/13/2002	970	ND<1.0	ND<1.0	18	5.4	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	10/28/2002	640	ND<1.0	ND<1.0	9.8	2.0J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-2	1/22/2003	790	ND<1.0	ND<1.0	17	4.0J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	4/14/2003	500	ND<1.0	ND<1.0	2.0J	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	7/9/2003	220	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	10/2/2003	ND<50	ND<1.0	ND<1.0	11	2.2J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	1/6/2004	1500	ND<1.0	ND<1.0	22	5.5	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	5/5/2004	1100	ND<1.0	ND<1.0	15	3.3J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	9/2/2004	560	ND<1.0	ND<1.0	8.9	1.8J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-2	12/9/2004	860	ND<1.0	ND<1.0	13	2.7J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-3	3/18/1996	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	NA	NA	NA	NA	NA	NA	NA	
GW-3	6/6/1996	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	100	NA	NA	NA	NA	NA	NA	
GW-3	9/25/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	61	NA	NA	NA	NA	NA	NA	
GW-3	12/13/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	19	NA	NA	NA	NA	NA	NA	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-3	2/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	12	NA	NA	NA	NA	NA	NA	
GW-3	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	7/28/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	10/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	3/18/1998	ND<50	0.92	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	12/17/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	3/23/1999	ND<50	0.43	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-3	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-3	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-3	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-3	2/22/2000	ND<9.3	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	1.9J	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-3	5/22/2000	10J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	0.29J	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-3	8/24/2000	27J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-3	11/14/2000	7.1J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	0.28J	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-3	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	11/14/2001	64J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-3	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	1/6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Could not access due to construction
GW-3	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-3	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-4	3/18/1996	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	NA	NA	NA	NA	NA	NA	NA	
GW-4	6/6/1996	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	9/25/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	12/13/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-4	2/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	14	NA	NA	NA	NA	NA	NA	
GW-4	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	7/28/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	10/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	12	NA	NA	NA	NA	NA	NA	
GW-4	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-4	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	39	NA	NA	NA	NA	NA	NA	
GW-4	12/17/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	11	NA	NA	NA	NA	NA	NA	
GW-4	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	24	NA	NA	NA	NA	NA	NA	
GW-4	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	8.6	NA	NA	NA	NA	NA	
GW-4	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	5.8	NA	NA	NA	NA	NA	
GW-4	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-4	2/22/2000	ND<9.3	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	0.64J	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-4	5/22/2000	7.8J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	0.52J	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-4	8/24/2000	28J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-4	11/14/2000	ND<6.6	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-4	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-4	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-4	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-5	3/18/1996	360	0.38	0.83	3.1	4.0	NA	NA	NA	NA	NA	NA	NA	
GW-5	6/6/1996	330	0.89	ND<0.3	1.7	2.44	88	NA	NA	NA	NA	NA	NA	
GW-5	9/25/1996	110	0.68	ND<0.30	0.8	0.91	150	NA	NA	NA	NA	NA	NA	
GW-5	12/13/1996	500	2.8	ND<0.30	3.5	2.7	170	NA	NA	NA	NA	NA	NA	

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

ARCO Facility No. 6176

1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-5	2/27/1997	140	0.51	ND<0.30	1.5	2.2	290	NA	NA	NA	NA	NA	NA	
GW-5	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-5	7/28/1997	51	0.37	ND<0.3	ND<0.3	0.6	160	NA	NA	NA	NA	NA	NA	
GW-5	10/27/1997	360	1.4	ND<0.30	2.2	2.0	160	NA	NA	NA	NA	NA	NA	
GW-5	3/18/1998	180	0.55	ND<0.30	1.3	1.2	280	NA	NA	NA	NA	NA	NA	
GW-5	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	250	NA	NA	NA	NA	NA	NA	
GW-5	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	420	NA	NA	NA	NA	NA	NA	
GW-5	12/17/1998	94	1.0	ND<0.30	ND<0.30	ND<0.60	420	NA	NA	NA	NA	NA	NA	
GW-5	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	550	NA	NA	NA	NA	NA	NA	
GW-5	5/25/1999	63	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	250	NA	NA	NA	NA	NA	
GW-5	8/24/1999	58	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	190	NA	NA	NA	NA	NA	
GW-5	12/9/1999	230	ND<0.30	0.58	1.5	1.6	NA	87	NA	NA	NA	NA	NA	
GW-5	2/22/2000	140	ND<0.11	ND<0.093	0.27J	ND<0.83	NA	71	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-5	5/22/2000	350	ND<0.11	ND<0.093	0.67J	ND<0.82	NA	41	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-5	8/24/2000	280	ND<0.11	ND<0.093	0.63J	ND<0.82	NA	26	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-5	11/14/2000	320	ND<0.11	ND<0.093	1.1J	ND<0.82	NA	15	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-5	2/12/2001	210	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	6.7	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	5/30/2001	540	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	3.5J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	8/14/2001	320	ND<1.0	ND<1.0	1.2J	ND<1.0	NA	3.1J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	11/14/2001	360	ND<1.0	ND<1.0	1.2J	1.1J	NA	2.0J	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	2/13/2002	150	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	5/8/2002	180	ND<1.0	ND<1.0	1.4J	1.1J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	8/13/2002	200	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	10/28/2002	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-5	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	4/14/2003	930	ND<1.0	ND<1.0	1.1J	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	7/9/2003	440	ND<1.0	ND<1.0	1.3J	1.0J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	10/2/2003	780	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	1/6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well not sampled
GW-5	5/5/2004	230	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	9/2/2004	500	ND<1.0	ND<1.0	1.1J	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-5	12/9/2004	230	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-6	3/18/1996	6700	810	43	420	360	NA	NA	NA	NA	NA	NA	NA	
GW-6	6/6/1996	9600	1200	110	660	730	4300	NA	NA	NA	NA	NA	NA	
GW-6	9/25/1996	1200	200	13	97	90	1300	NA	NA	NA	NA	NA	NA	
GW-6	12/13/1996	8300	980	93	550	630	3600	NA	NA	NA	NA	NA	NA	

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

ARCO Facility No. 6176

1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-6	2/27/1997	3300	340	27	320	320	2600	NA	NA	NA	NA	NA	NA	
GW-6	5/19/1997	6400	320	42	560	630	5000	NA	NA	NA	NA	NA	NA	
GW-6	7/28/1997	ND<50	3.8	0.72	1.0	8.8	290	NA	NA	NA	NA	NA	NA	
GW-6	10/27/1997	4600	480	49	610	600	12000	NA	NA	NA	NA	NA	NA	
GW-6	3/18/1998	4500	180	20	400	390	10000	NA	NA	NA	NA	NA	NA	
GW-6	6/26/1998	4300	38	ND<3.0	310	270	7100	NA	NA	NA	NA	NA	NA	
GW-6	8/27/1998	2700	55	13	460	360	6300	NA	NA	NA	NA	NA	NA	
GW-6	12/17/1998	3900	110	19	380	270	4500	NA	NA	NA	NA	NA	NA	
GW-6	3/23/1999	970	35	9.3	100	57	1300	NA	NA	NA	NA	NA	NA	
GW-6	5/25/1999	3500	230	68	350	280	NA	3800	NA	NA	NA	NA	NA	
GW-6	8/24/1999	3100	130	30	300	200	NA	2000	NA	NA	NA	NA	NA	
GW-6	12/9/1999	3000	120	27	280	210	NA	1200	NA	NA	NA	NA	NA	
GW-6	2/22/2000	3800	140	26	400	220	NA	840	ND<10	ND<14	ND<16	1300	NA	
GW-6	5/22/2000	4400	84	13	300	150	NA	530	ND<2.5	ND<2.8	ND<3.4	1200	NA	
GW-6	8/24/2000	3500	170	16	440	150	NA	390	ND<2.0	ND<2.3	ND<2.7	750	NA	
GW-6	11/14/2000	8600	180	54	420	390	NA	300	ND<2.5	ND<2.8	ND<3.4	690	NA	
GW-6	2/12/2001	3200	60	15J	420	140	NA	150	ND<10	ND<10	ND<10	250	NA	
GW-6	5/30/2001	3000	17	3.9J	200	62	NA	69	ND<2.0	ND<2.0	ND<2.0	170	NA	
GW-6	8/14/2001	2000	23J	15J	410	160	NA	84	ND<10	ND<10	ND<10	130	NA	
GW-6	11/14/2001	1900	11J	5.6J	260	58	NA	53	ND<10	ND<10	ND<10	57J	NA	
GW-6	2/13/2002	2300	11J	10J	260	65	NA	39	ND<10	ND<10	ND<10	ND<50	NA	
GW-6	5/8/2002	2700	12J	12J	350	92	NA	43	ND<8.0	ND<8.0	ND<8.0	48J	NA	
GW-6	8/13/2002	1900	3.8J	4.7J	140	43	NA	21	ND<4.0	ND<4.0	ND<4.0	ND<20	NA	
GW-6	10/28/2002	1700	3.0J	4.2J	170	46	NA	19	ND<4.0	ND<4.0	ND<4.0	ND<20	NA	
GW-6	1/22/2003	1100	ND<2.0	2.5J	130	27	NA	17	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	4/14/2003	1100	ND<2.0	2.2J	140	25	NA	14	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	7/9/2003	690	ND<2.0	ND<2.0	93	13	NA	7.3J	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	10/2/2003	320	ND<2.0	ND<2.0	150	22	NA	9.1J	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	1/6/2004	1200	ND<2.0	ND<2.0	130	18	NA	8.5J	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	5/5/2004	820	ND<2.0	ND<2.0	110	14	NA	4.9J	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	9/2/2004	1100	ND<2.0	ND<2.0	130	19	NA	4.9J	ND<4.0	ND<4.0	ND<4.0	ND<20	ND<100	
GW-6	12/9/2004	450	ND<1.0	ND<1.0	47	4.4J	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
GW-7	3/18/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	NA	NA	NA	NA	NA	NA	
GW-7	6/6/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	9/25/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	12/13/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
GW-7	2/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	5/19/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	7/28/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	10/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	12/17/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
GW-7	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-7	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-7	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
GW-7	2/22/2000	ND<9.3	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	ND<0.28	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
GW-7	5/22/2000	8.6J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-7	8/24/2000	25J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-7	11/14/2000	ND<6.6	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
GW-7	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
GW-7	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
GW-7	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	
Trip Blank	3/18/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	NA	NA	NA	NA	NA	NA	
Trip Blank	6/6/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	9/25/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	12/13/1996	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ARCO Facility No. 6176
1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments
Trip Blank	2/27/1997	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	3/18/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	6/26/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	8/27/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	12/17/1998	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	3/23/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<10	NA	NA	NA	NA	NA	NA	
Trip Blank	5/25/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
Trip Blank	8/24/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
Trip Blank	12/9/1999	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	NA	ND<5.0	NA	NA	NA	NA	NA	
Trip Blank	2/22/2000	ND<9.3	ND<0.11	ND<0.093	ND<0.18	ND<0.83	NA	ND<0.28	ND<1.0	ND<1.4	ND<1.6	ND<24	NA	
Trip Blank	5/22/2000	14J	ND<0.11	0.14J	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
Trip Blank	8/24/2000	29J	ND<0.11	ND<0.093	ND<0.18	ND<0.82	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
Trip Blank	11/14/2000	40J	0.18J	0.36J	0.33J	1.1J	NA	ND<0.28	ND<0.50	ND<0.57	ND<0.68	ND<5.0	NA	
Trip Blank	2/12/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	5/30/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	8/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	11/14/2001	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	2/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	5/8/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	8/13/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	10/28/2002	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	NA	
Trip Blank	1/22/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	4/14/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	7/9/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	10/2/2003	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	1/6/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	5/5/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	9/2/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<50	
Trip Blank	12/9/2004	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100	

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

ARCO Facility No. 6176

1001 E. Amar Rd.
West Covina, CA

Well	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MTBE 8020/8021B (µg/L)	MTBE 8260B (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Comments

Notes: TPHg = Total petroleum hydrocarbons as gasoline

µg/L = Micrograms per liter
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary butanol
NA = Not analyzed
ND<0.30 = Not detected at or above the stated laboratory method detection limit

Beginning first quarter 2000 benzene, toluene, ethylbenzene, and xylenes analyzed by Environmental Protection Agency Method 8260B

J= Concentrations at or above the method detection limit but below the reporting limit.

Note: DIPE, ETBE, TAME, TBA, and Ethanol analyses by EPA 8260

TABLE 3

NATURAL BIOATTENUATION REMEDIATION ANALYTICAL RESULTS
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Well I.D.	Date Sampled	Methane mg/l	Dissolved Oxygen (Lab) mg/l	Dissolved Oxygen (Field) mg/l	Ferrous Iron mg/l	Nitrate-N mg/l	Redox mV	Sulfate mg/l	pH	Comments
BC-1	12/09/04	6.1	3	NA	0.35	ND<0.11	220	0.53	6.77	
GW-3	12/09/04	ND<0.050	3	NA	0.35	7.1	410	120	6.55	

NOTES:

Methane	= Analyzed by Method RSK-175 Modified
mg/l	= Milligrams per liter
Dissolved Oxygen (Lab)	= Analylzed by EPA Method 360.1
Dissolved Oxygen (Field)	= Field instrument
Ferrous Iron	= Analyzed by EPA Method 6010
Nitrate-N	= Analyzed by EPA Method 300.0
Redox	= Analyzed by SM 2580B
mV	= Millivolts
Sulfate	= Analyzed by EPA Method 300.0
NA	= Not analyzed
ND<0.5	= Analyte was not detected at or above the stated laboratory detection limit

(q:\bpwest\socal\6176\qtrtbl3.xls)

ATTACHMENT A

Sampling Information Sheets

DELTA ENVIRONMENTAL CONSULTANTS

GROUNDWATER GAUGING DATA

Facility No.: Arco 6176	Date: 12/9/04
Facility Location: West Covina	Technician: Brian Johnson
Project Manager: P. McCarter	Project No.: 00656RP

Gauging Order	Well I.D.	Time	Total Depth (feet)	Depth to Water (feet)	Depth to LPH (feet)	LPH Apparent Thickness (feet)	Gauge or Sample (G or S)	Physical Observations / Comments
1	BC-17	0518	34.89	34.56				
2	BC-18	0526	34.52	29.72				
11	GW-7	1345	49.98	25.68				
3	GW-1	0539	49.78	25.81				
4	GW-3	0544	48.72	26.91				
5	GW-4	0550	49.24	28.51				
6	BC-2	0602	34.75	28.47				Well lid needs repair
10	GW-6	1245	48.93	27.26				
7	GW-2	0617	50.04	27.53				
8	GW-5	0622	50.16	27.88				
9	BC-7	0626	34.59	27.30				

Decon Method: triple rinse

Measuring Device: Solinst

Notes:

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: Slight
TEMPERATURE: 59°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 25.81 TIME: 0539
WELL DEPTH: 49.78

SAMPLING:

SAMPLING POINT 6W-1
SAMPLE I.D. NO. 6W-1 TIME: 0800
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 27.04

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(49.78) - (25.81)] × (.65) × (4) = 62

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0726	7.53	1520	58.2	76.0	16	
0731	7.53	1500	58.7	47.9	32	
0737	7.55	1550	58.5	41.2	48	
0743	7.57	1570	59.0	55.7	62	

BAILING START TIME: 0721 am/pm BAILING FINISH TIME: 0743 am\pm

COMMENTS: 80% recharge at 30.60

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: Slight
TEMPERATURE: 62°

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 28.51 TIME: 0550
WELL DEPTH: 49.24

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. Mclarter

SAMPLING:

SAMPLING POINT GW-4
SAMPLE I.D. NO. GW-4 TIME: 0845
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 28.85

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(49.24) - (28.51)] × (.65) × (4) = 54

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0758	7.54	1390	61.9	19.8	14	
0806	7.61	1360	62.6	18.4	28	
0816	7.63	1330	62.3	17.1	42	
0828	7.61	1320	62.6	17.6	54	

BAILING START TIME: 0752 am/pm BAILING FINISH TIME: 0828 am\pm

COMMENTS: 80% recharge at 32.66

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: slight
TEMPERATURE: 64°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 27.53 TIME: 0617
WELL DEPTH: 50.04

SAMPLING:

SAMPLING POINT 6W-2
SAMPLE I.D. NO. 6W-2 TIME: 0926
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 28.70

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(50.04) - (27.53)] × (.65) × (4) = 59

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0843	7.68	1220	65.4	76.4	15	
0852	7.64	1240	65.0	39.5	30	
0902	7.63	1250	65.2	44.1	45	
0913	7.62	1250	65.9	56.2	59	

BAILING START TIME: 0835 am/pm BAILING FINISH TIME: 0913 am\pm

COMMENTS: 80% recharge at 32.03

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: clear
WIND SPEED: slight
TEMPERATURE: 70°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. Mclarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 27.26 TIME: 1245
WELL DEPTH: 48.93

SAMPLING:

SAMPLING POINT 6W-6
SAMPLE I.D. NO. 6W-6 TIME: 1320
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 28.31

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(48.93) - (27.26)] × (.65) × (4) = 56

WELL DEPTH — D.T.W — .65/4",.17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
1236	7.62	1400	69.5	38.3	14	
1245	7.62	1350	69.3	32.4	28	
1255	7.63	1330	69.9	20.9	42	
1306	7.66	1310	70.5	24.6	56	

BAILING START TIME: 1248 am/pm BAILING FINISH TIME: 1306 am\pm

COMMENTS: 80% recharge at 31.54

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: Slight
TEMPERATURE: 71°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 29.72 TIME: 0526
WELL DEPTH: 34.52

SAMPLING:

SAMPLING POINT BC-18
SAMPLE I.D. NO. BC-18 TIME: 1400
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 29.84

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(34.52) - (29.72)] × (.65) × (4) = 13
WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
1143	7.55	1370	70.0	70.6	3	
1156	7.60	1600	69.4	54.1	7	

BAILING START TIME: 1138 am/pm BAILING FINISH TIME: 1156 am\pm

COMMENTS: 80% recharge at Well Went Dry

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: slight
TEMPERATURE: 70°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 28.47 TIME: 0602
WELL DEPTH: 34.75

SAMPLING:

SAMPLING POINT BC-2
SAMPLE I.D. NO. BC-2 TIME: 1410
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 28.51

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(34.75) - (28.47)] × (.65) × (4) = 16

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
1206	7.54	1480	69.0	38.1	4	
1209	7.53	1500	69.3	42.7	8	
1212	7.51	1530	69.5	48.0	12	
1215	7.51	1540	70.2	40.4	16	

BAILING START TIME: 1204 am/pm BAILING FINISH TIME: 1215 am\pm

COMMENTS: 80% recharge at 29.73

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: Slight
TEMPERATURE: 72°

PROJECT:

DATE: 12/9/01
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 25.68 TIME: 1345
WELL DEPTH: 49.98

SAMPLING:

SAMPLING POINT GW-7
SAMPLE I.D. NO. GW-7 TIME: 1425
SAMPLES COLLECTED 5
SAMPLE APPEARANCE Clear W.L. 25.81

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(49.98) - (25.68)] × (.65) × (4) = 63

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
1353	7.65	1400	69.7	30.4	16	
1358	7.63	1360	70.2	20.6	32	
1404	7.62	1460	70.0	22.1	48	
1410	7.64	1510	69.9	17.1	63	

BAILING START TIME: 1348 am/pm BAILING FINISH TIME: 1410 am\pm

COMMENTS: 80% recharge at 30.54

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: clear
WIND SPEED: slight
TEMPERATURE: 68°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 27.88 TIME: 0622
WELL DEPTH: 50.16

DELTA NO:
PROJECT MGR.: P.M. Carter

SAMPLING:

SAMPLING POINT GW-5
SAMPLE I.D. NO. GW-5 TIME: 1440
SAMPLES COLLECTED 5
SAMPLE APPEARANCE clear W.L. 29.11

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(50.16) - (27.88)] × (.65) × (4) = 50
WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0956	7.64	1290	67.0	21.7	13	
1010	7.67	1270	66.7	23.6	26	
1024	7.69	1260	67.1	29.4	39	
1040	7.69	1270	66.9	25.0	40	

BAILING START TIME: 0948 am/pm BAILING FINISH TIME: 1040 am\pm

COMMENTS: 80% recharge at 32.34
Well went dry

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear
WIND SPEED: slight
TEMPERATURE: 70°

PROJECT:

DATE: 12/9/04
CLIENT: Arco6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 27.30 TIME: 0626
WELL DEPTH: 34.59

SAMPLING:

SAMPLING POINT BC-1
SAMPLE I.D. NO. BC-1
SAMPLES COLLECTED 5 TIME: 1512
SAMPLE APPEARANCE Clear W.L. 28.24

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(34.59) - (27.30)] × (.65) × (4) = 19

WELL DEPTH — D.T.W — .65/4",.17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
1051	7.61	1360	69.0	50.7	4	
1105	7.55	1400	69.1	78.1	9	

BAILING START TIME: 1048 am/pm BAILING FINISH TIME: 1105 am\pm

COMMENTS: 80% recharge at 28.76
Well went dry

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Partial
WIND SPEED: slight
TEMPERATURE: 58°

PROJECT:

DATE: 12/9/04
CLIENT: Arco 6176
LOCATION: W. Covina
DELTA NO:
PROJECT MGR.: P. McCarter

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 26.91 TIME: 0544
WELL DEPTH: 48.72

SAMPLING:

SAMPLING POINT GW-3
SAMPLE I.D. NO. GW-3
SAMPLES COLLECTED 5 TIME: 1930
SAMPLE APPEARANCE clear - ROOT in Sample W.L. 27.28

PURGING METHOD:

[X] VACUUM TRUCK [ ] BAILER ____ [ ] OTHER ____

[(48.72) - (26.91)] × (.65) × (4) = 57

WELL DEPTH — D.T.W — .65/4", .17/2" — PURGE VOLS. — PURGE VOLUME

CLEANING DONE IN FIELD triple rinse

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	TURBIDITY (NTUs)	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0652	7.40	1400	56.5	29.6	14	
0659	7.42	1360	55.9	24.5	28	
0706	7.44	1320	56.4	22.9	42	
0714	7.47	1310	58.7	19.7	57	

BAILING START TIME: 0646 am/pm BAILING FINISH TIME: 0714 am\pm

COMMENTS: 80% recharge at 31.27

Originally sampled at 0730, returned after new bottle order recieved.

TRANSPORTATION (THERMAL PRESERVATION) Ice

FORM COMPLETED BY B. Johnson SAMPLED BY: B. Johnson

ATTACHMENT B

Laboratory Report and Chain-of-Custody Documentation

Del Mar Analytical

17461Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project: ARCO 6176, West Covina

Sampled: 12/09/04
Received: 12/09/04
Issued: 12/28/04 09:48

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
INL0745-01	GW-3	Water
INL0745-02	BC-1	Water
INL0745-03	GW-1	Water
INL0745-04	GW-4	Water
INL0745-05	GW-2	Water
INL0745-06	GW-6	Water
INL0745-07	GW-7	Water
INL0745-08	BC-18	Water
INL0745-09	BC-2	Water
INL0745-10	GW-5	Water
INL0745-11	TB	Water

Reviewed By:

Wendy Kirkeeng

Del Mar Analytical, Irvine
Wendy Kirkeeng For Pat Abe
Project Manager

Del Mar Analytical

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina
Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*114 %*				
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L21027	500	1000	**8300**	10	12/21/04	12/21/04	
Surrogate: 4-BFB (FID) (65-140%)					*93 %*				
Sample ID: INL0745-03 (GW-1 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20003	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*102 %*				
Sample ID: INL0745-04 (GW-4 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20003	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*79 %*				
Sample ID: INL0745-05 (GW-2 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20003	50	100	**860**	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*107 %*				
Sample ID: INL0745-06 (GW-6 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L21027	100	200	**450**	2	12/21/04	12/21/04	
Surrogate: 4-BFB (FID) (65-140%)					*80 %*				
Sample ID: INL0745-07 (GW-7 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*107 %*				
Sample ID: INL0745-08 (BC-18 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*112 %*				

Del Mar Analytical, Irvine
Wendy Kirkeeng For Pat Abe
Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-09 (BC-2 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	100	200	**1600**	2	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*129 %*				
Sample ID: INL0745-10 (GW-5 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	50	100	**230**	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*104 %*				
Sample ID: INL0745-11 (TB - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	4L20002	50	100	ND	1	12/20/04	12/20/04	
Surrogate: 4-BFB (FID) (65-140%)					*110 %*				

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Ethylbenzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Toluene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
o-Xylene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Xylenes, Total	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L19002	10	25	ND	1	12/19/04	12/19/04	
Ethanol	EPA 8260B	4L19002	100	150	ND	1	12/19/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L18049	2.0	10	**23**	2	12/18/04	12/19/04	
Ethylbenzene	EPA 8260B	4L18049	2.0	10	**280**	2	12/18/04	12/19/04	
Toluene	EPA 8260B	4L18049	2.0	10	**23**	2	12/18/04	12/19/04	
o-Xylene	EPA 8260B	4L18049	2.0	10	**38**	2	12/18/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L18049	2.0	10	**390**	2	12/18/04	12/19/04	
Xylenes, Total	EPA 8260B	4L18049	2.0	10	**430**	2	12/18/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L18049	4.0	10	ND	2	12/18/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L18049	4.0	10	ND	2	12/18/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L18049	4.0	10	ND	2	12/18/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L18049	4.0	10	ND	2	12/18/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L18049	20	50	ND	2	12/18/04	12/19/04	
Ethanol	EPA 8260B	4L18049	200	300	ND	2	12/18/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*92 %*				
Surrogate: Toluene-d8 (80-120%)					*96 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				

Del Mar Analytical, Irvine
Wendy Kirkeeng For Pat Abe
Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-03 (GW-1 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Ethylbenzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Toluene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
o-Xylene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Xylenes, Total	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L19002	10	25	ND	1	12/19/04	12/19/04	
Ethanol	EPA 8260B	4L19002	100	150	ND	1	12/19/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*94 %*				
Sample ID: INL0745-04 (GW-4 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Ethylbenzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Toluene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
o-Xylene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
m,p-Xylenes	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Xylenes, Total	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
tert-Butanol (TBA)	EPA 8260B	4L18049	10	25	ND	1	12/18/04	12/18/04	
Ethanol	EPA 8260B	4L18049	100	150	ND	1	12/18/04	12/18/04	
Surrogate: Dibromofluoromethane (80-120%)					*93 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*91 %*				

Del Mar Analytical, Irvine
Wendy Kirkeeng For Pat Abe
Project Manager

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Delta Env. Consultants - Aliso Viejo
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Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-05 (GW-2 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Ethylbenzene	EPA 8260B	4L19002	1.0	5.0	**13**	1	12/19/04	12/19/04	
Toluene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
o-Xylene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L19002	1.0	5.0	**2.6**	1	12/19/04	12/19/04	J,DX
Xylenes, Total	EPA 8260B	4L19002	1.0	5.0	**2.7**	1	12/19/04	12/19/04	J,DX
Di-isopropyl Ether (DIPE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L19002	10	25	ND	1	12/19/04	12/19/04	
Ethanol	EPA 8260B	4L19002	100	150	ND	1	12/19/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*101 %*				
Sample ID: INL0745-06 (GW-6 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
Ethylbenzene	EPA 8260B	4L18049	1.0	5.0	**47**	1	12/18/04	12/19/04	
Toluene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
o-Xylene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L18049	1.0	5.0	**4.1**	1	12/18/04	12/19/04	J,DX
Xylenes, Total	EPA 8260B	4L18049	1.0	5.0	**4.4**	1	12/18/04	12/19/04	J,DX
Di-isopropyl Ether (DIPE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L18049	10	25	ND	1	12/18/04	12/19/04	
Ethanol	EPA 8260B	4L18049	100	150	ND	1	12/18/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*90 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				

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Wendy Kirkeeng For Pat Abe
Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-07 (GW-7 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
Ethylbenzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
Toluene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
o-Xylene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
Xylenes, Total	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L18049	10	25	ND	1	12/18/04	12/19/04	
Ethanol	EPA 8260B	4L18049	100	150	ND	1	12/18/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*91 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*88 %*				
Sample ID: INL0745-08 (BC-18 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Ethylbenzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Toluene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
o-Xylene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Xylenes, Total	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L19002	10	25	ND	1	12/19/04	12/19/04	
Ethanol	EPA 8260B	4L19002	100	150	ND	1	12/19/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*108 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*93 %*				

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Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-09 (BC-2 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L19002	1.0	5.0	**1.4**	1	12/19/04	12/19/04	J,DX
Ethylbenzene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Toluene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
o-Xylene	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
m,p-Xylenes	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Xylenes, Total	EPA 8260B	4L19002	1.0	5.0	ND	1	12/19/04	12/19/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L19002	2.0	5.0	ND	1	12/19/04	12/19/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L19002	2.0	5.0	**9.6**	1	12/19/04	12/19/04	
tert-Butanol (TBA)	EPA 8260B	4L19002	10	25	**47**	1	12/19/04	12/19/04	
Ethanol	EPA 8260B	4L19002	100	150	ND	1	12/19/04	12/19/04	
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*102 %*				
Sample ID: INL0745-10 (GW-5 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
Ethylbenzene	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
Toluene	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
o-Xylene	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
m,p-Xylenes	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
Xylenes, Total	EPA 8260B	4L22004	1.0	5.0	ND	1	12/22/04	12/22/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L22004	2.0	5.0	ND	1	12/22/04	12/22/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L22004	2.0	5.0	ND	1	12/22/04	12/22/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L22004	2.0	5.0	ND	1	12/22/04	12/22/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L22004	2.0	5.0	ND	1	12/22/04	12/22/04	
tert-Butanol (TBA)	EPA 8260B	4L22004	10	25	ND	1	12/22/04	12/22/04	
Ethanol	EPA 8260B	4L22004	100	150	ND	1	12/22/04	12/22/04	
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*96 %*				

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-11 (TB - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Ethylbenzene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Toluene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
o-Xylene	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
m,p-Xylenes	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Xylenes, Total	EPA 8260B	4L18049	1.0	5.0	ND	1	12/18/04	12/18/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4L18049	2.0	5.0	ND	1	12/18/04	12/18/04	
tert-Butanol (TBA)	EPA 8260B	4L18049	10	25	ND	1	12/18/04	12/18/04	
Ethanol	EPA 8260B	4L18049	100	150	ND	1	12/18/04	12/18/04	
Surrogate: Dibromofluoromethane (80-120%)					*91 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*91 %*				

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Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina
Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

DISSOLVED GASES BY HEADSPACE EQUILIBRIUM (RSK-175 MOD.)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: mg/l									
Methane	RSK-175 MOD.	4L21036	N/A	0.050	ND	1	12/21/04	12/21/04	
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: mg/l									
Methane	RSK-175 MOD.	4L21036	N/A	0.20	**6.1**	4	12/21/04	12/21/04	

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27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: mg/l									
Ferrous Iron	SM 3500-Fe D	4L22064	N/A	0.10	ND	1	12/10/04	12/10/04	
Dissolved Oxygen	EPA 360.1	4L10103	N/A	1.0	**3.0**	1	12/10/04	12/10/04	
Nitrate-N	EPA 300.0	4L10053	N/A	1.1	**7.1**	10	12/10/04	12/10/04	
Sulfate	EPA 300.0	4L10053	N/A	5.0	**120**	10	12/10/04	12/10/04	
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: mg/l									
Ferrous Iron	SM 3500-Fe D	4L22064	N/A	0.10	**0.35**	1	12/10/04	12/10/04	
Dissolved Oxygen	EPA 360.1	4L10103	N/A	1.0	**3.0**	1	12/10/04	12/10/04	
Nitrate-N	EPA 300.0	4L10053	N/A	0.11	ND	1	12/10/04	12/10/04	
Sulfate	EPA 300.0	4L10053	N/A	0.50	**0.53**	1	12/10/04	12/10/04	
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: mV									
Redox Potential (Eh)	SM 2580B	4L10064	N/A	NA	**410**	1	12/10/04	12/10/04	
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: mV									
Redox Potential (Eh)	SM 2580B	4L10064	N/A	NA	**220**	1	12/10/04	12/10/04	
Sample ID: INL0745-01 (GW-3 - Water)									
Reporting Units: pH Units									
pH	EPA 150.1	4L10062	N/A	NA	**6.55**	1	12/10/04	12/10/04	
Sample ID: INL0745-02 (BC-1 - Water)									
Reporting Units: pH Units									
pH	EPA 150.1	4L10062	N/A	NA	**6.77**	1	12/10/04	12/10/04	

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Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: GW-3 (INL0745-01) - Water					
EPA 150.1	1	12/09/2004 19:30	12/09/2004 21:00	12/10/2004 07:00	12/10/2004 08:00
EPA 300.0	2	12/09/2004 19:30	12/09/2004 21:00	12/10/2004 09:00	12/10/2004 11:09
EPA 360.1	1	12/09/2004 19:30	12/09/2004 21:00	12/10/2004 14:20	12/10/2004 15:00
SM 2580B	1	12/09/2004 19:30	12/09/2004 21:00	12/10/2004 07:00	12/10/2004 09:00
SM 3500-Fe D	1	12/09/2004 19:30	12/09/2004 21:00	12/10/2004 11:48	12/10/2004 14:00
Sample ID: BC-1 (INL0745-02) - Water					
EPA 150.1	1	12/09/2004 15:12	12/09/2004 21:00	12/10/2004 07:00	12/10/2004 08:00
EPA 300.0	2	12/09/2004 15:12	12/09/2004 21:00	12/10/2004 09:00	12/10/2004 11:22
EPA 360.1	1	12/09/2004 15:12	12/09/2004 21:00	12/10/2004 14:20	12/10/2004 15:00
SM 2580B	1	12/09/2004 15:12	12/09/2004 21:00	12/10/2004 07:00	12/10/2004 09:00
SM 3500-Fe D	1	12/09/2004 15:12	12/09/2004 21:00	12/10/2004 11:48	12/10/2004 14:00

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Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L20002 Extracted: 12/20/04											
Blank Analyzed: 12/20/2004 (4L20002-BLK1)											
GRO (C4 - C12)	ND	100	50	ug/l							
Surrogate: 4-BFB (FID)	*11.5*			*ug/l*	*10.0*		*115*	*65-140*			
LCS Analyzed: 12/20/2004 (4L20002-BS1)											
GRO (C4 - C12)	269	100	50	ug/l	220		122	70-140			
Surrogate: 4-BFB (FID)	*13.1*			*ug/l*	*10.0*		*131*	*65-140*			
Matrix Spike Analyzed: 12/20/2004 (4L20002-MS1)					**Source: INL0745-01**						
GRO (C4 - C12)	278	100	50	ug/l	220	ND	126	60-140			
Surrogate: 4-BFB (FID)	*13.1*			*ug/l*	*10.0*		*131*	*65-140*			
Matrix Spike Dup Analyzed: 12/20/2004 (4L20002-MSD1)					**Source: INL0745-01**						
GRO (C4 - C12)	274	100	50	ug/l	220	ND	125	60-140	1	20	
Surrogate: 4-BFB (FID)	*13.2*			*ug/l*	*10.0*		*132*	*65-140*			
Batch: 4L20003 Extracted: 12/20/04											
Blank Analyzed: 12/20/2004 (4L20003-BLK1)											
GRO (C4 - C12)	ND	100	50	ug/l							
Surrogate: 4-BFB (FID)	*9.75*			*ug/l*	*10.0*		*98*	*65-140*			
LCS Analyzed: 12/20/2004 (4L20003-BS1)											
GRO (C4 - C12)	262	100	50	ug/l	220		119	70-140			
Surrogate: 4-BFB (FID)	*12.4*			*ug/l*	*10.0*		*124*	*65-140*			
Matrix Spike Analyzed: 12/20/2004 (4L20003-MS1)					**Source: INL0745-03**						
GRO (C4 - C12)	270	100	50	ug/l	220	ND	123	60-140			
Surrogate: 4-BFB (FID)	*12.7*			*ug/l*	*10.0*		*127*	*65-140*			

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L20003 Extracted: 12/20/04											
Matrix Spike Dup Analyzed: 12/20/2004 (4L20003-MSD1)					**Source: INL0745-03**						
GRO (C4 - C12)	265	100	50	ug/l	220	ND	120	60-140	2	20	
Surrogate: 4-BFB (FID)	*12.7*			*ug/l*	*10.0*		*127*	*65-140*			
Batch: 4L21027 Extracted: 12/21/04											
Blank Analyzed: 12/21/2004 (4L21027-BLK1)											
GRO (C4 - C12)	ND	100	50	ug/l							
Surrogate: 4-BFB (FID)	*10.1*			*ug/l*	*10.0*		*101*	*65-140*			
LCS Analyzed: 12/21/2004 (4L21027-BS1)											
GRO (C4 - C12)	245	100	50	ug/l	220		111	70-140			
Surrogate: 4-BFB (FID)	*12.7*			*ug/l*	*10.0*		*127*	*65-140*			
Matrix Spike Analyzed: 12/21/2004 (4L21027-MS1)					**Source: INL0745-03RE1**						
GRO (C4 - C12)	202	100	50	ug/l	220	ND	92	60-140			
Surrogate: 4-BFB (FID)	*9.54*			*ug/l*	*10.0*		*95*	*65-140*			
Matrix Spike Dup Analyzed: 12/21/2004 (4L21027-MSD1)					**Source: INL0745-03RE1**						
GRO (C4 - C12)	242	100	50	ug/l	220	ND	110	60-140	18	20	
Surrogate: 4-BFB (FID)	*11.3*			*ug/l*	*10.0*		*113*	*65-140*			

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Project Manager

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Aliso Viejo, CA 92656
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Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L18049 Extracted: 12/18/04											
Blank Analyzed: 12/18/2004 (4L18049-BLK1)											
Benzene	ND	5.0	1.0	ug/l							
Ethylbenzene	ND	5.0	1.0	ug/l							
Toluene	ND	5.0	1.0	ug/l							
o-Xylene	ND	5.0	1.0	ug/l							
m,p-Xylenes	ND	5.0	1.0	ug/l							
Xylenes, Total	ND	5.0	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	2.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	2.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	2.0	ug/l							
tert-Butanol (TBA)	ND	25	10	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.6*			*ug/l*	*25.0*		*86*	*80-120*			
LCS Analyzed: 12/18/2004 (4L18049-BS1)											
Benzene	19.2	5.0	1.0	ug/l	25.0		77	70-120			
Ethylbenzene	23.0	5.0	1.0	ug/l	25.0		92	80-120			
Toluene	21.0	5.0	1.0	ug/l	25.0		84	75-120			
o-Xylene	21.5	5.0	1.0	ug/l	25.0		86	75-125			
m,p-Xylenes	45.2	5.0	1.0	ug/l	50.0		90	75-120			
Xylenes, Total	66.6	5.0	1.0	ug/l	75.0		89	75-125			
Di-isopropyl Ether (DIPE)	19.3	5.0	2.0	ug/l	25.0		77	65-135			
Ethyl tert-Butyl Ether (ETBE)	20.1	5.0	2.0	ug/l	25.0		80	60-140			
tert-Amyl Methyl Ether (TAME)	19.8	5.0	2.0	ug/l	25.0		79	60-140			
Methyl-tert-butyl Ether (MTBE)	20.1	5.0	2.0	ug/l	25.0		80	55-145			
tert-Butanol (TBA)	129	25	10	ug/l	125		103	70-140			
Ethanol	191	150	100	ug/l	250		76	35-165			
Surrogate: Dibromofluoromethane	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*23.2*			*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L18049 Extracted: 12/18/04											
Matrix Spike Analyzed: 12/18/2004 (4L18049-MS1)					**Source: INL0745-04**						
Benzene	19.8	5.0	1.0	ug/l	25.0	ND	79	70-120			
Ethylbenzene	23.0	5.0	1.0	ug/l	25.0	ND	92	70-130			
Toluene	21.3	5.0	1.0	ug/l	25.0	ND	85	70-120			
o-Xylene	21.0	5.0	1.0	ug/l	25.0	ND	84	65-125			
m,p-Xylenes	42.9	5.0	1.0	ug/l	50.0	ND	86	65-130			
Xylenes, Total	63.9	5.0	1.0	ug/l	75.0	ND	85	65-135			
Di-isopropyl Ether (DIPE)	20.2	5.0	2.0	ug/l	25.0	ND	81	65-140			
Ethyl tert-Butyl Ether (ETBE)	21.2	5.0	2.0	ug/l	25.0	ND	85	60-140			
tert-Amyl Methyl Ether (TAME)	20.8	5.0	2.0	ug/l	25.0	ND	83	55-145			
Methyl-tert-butyl Ether (MTBE)	21.3	5.0	2.0	ug/l	25.0	ND	85	50-155			
tert-Butanol (TBA)	127	25	10	ug/l	125	ND	102	65-145			
Ethanol	193	150	100	ug/l	250	ND	77	35-165			
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*			*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 12/19/2004 (4L18049-MSD1)					**Source: INL0745-04**						
Benzene	20.1	5.0	1.0	ug/l	25.0	ND	80	70-120	2	20	
Ethylbenzene	23.3	5.0	1.0	ug/l	25.0	ND	93	70-130	1	20	
Toluene	21.9	5.0	1.0	ug/l	25.0	ND	88	70-120	3	20	
o-Xylene	21.8	5.0	1.0	ug/l	25.0	ND	87	65-125	4	20	
m,p-Xylenes	45.0	5.0	1.0	ug/l	50.0	ND	90	65-130	5	25	
Xylenes, Total	66.7	5.0	1.0	ug/l	75.0	ND	89	65-135	4	20	
Di-isopropyl Ether (DIPE)	21.2	5.0	2.0	ug/l	25.0	ND	85	65-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	23.0	5.0	2.0	ug/l	25.0	ND	92	60-140	8	25	
tert-Amyl Methyl Ether (TAME)	23.3	5.0	2.0	ug/l	25.0	ND	93	55-145	11	30	
Methyl-tert-butyl Ether (MTBE)	24.4	5.0	2.0	ug/l	25.0	ND	98	50-155	14	25	
tert-Butanol (TBA)	126	25	10	ug/l	125	ND	101	65-145	1	25	
Ethanol	194	150	100	ug/l	250	ND	78	35-165	1	30	
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*23.2*			*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			

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Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L19002 Extracted: 12/19/04											
Blank Analyzed: 12/19/2004 (4L19002-BLK1)											
Benzene	ND	5.0	1.0	ug/l							
Ethylbenzene	ND	5.0	1.0	ug/l							
Toluene	ND	5.0	1.0	ug/l							
o-Xylene	ND	5.0	1.0	ug/l							
m,p-Xylenes	ND	5.0	1.0	ug/l							
Xylenes, Total	ND	5.0	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	2.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	2.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	2.0	ug/l							
tert-Butanol (TBA)	ND	25	10	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*26.4*			*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 12/19/2004 (4L19002-BS1)											
Benzene	24.0	5.0	1.0	ug/l	25.0		96	70-120			
Ethylbenzene	22.9	5.0	1.0	ug/l	25.0		92	80-120			
Toluene	23.6	5.0	1.0	ug/l	25.0		94	75-120			
o-Xylene	22.0	5.0	1.0	ug/l	25.0		88	75-125			
m,p-Xylenes	43.9	5.0	1.0	ug/l	50.0		88	75-120			
Xylenes, Total	65.9	5.0	1.0	ug/l	75.0		88	75-125			
Di-isopropyl Ether (DIPE)	29.1	5.0	2.0	ug/l	25.0		116	65-135			
Ethyl tert-Butyl Ether (ETBE)	28.2	5.0	2.0	ug/l	25.0		113	60-140			
tert-Amyl Methyl Ether (TAME)	29.7	5.0	2.0	ug/l	25.0		119	60-140			
Methyl-tert-butyl Ether (MTBE)	30.3	5.0	2.0	ug/l	25.0		121	55-145			
tert-Butanol (TBA)	106	25	10	ug/l	125		85	70-140			
Ethanol	179	150	100	ug/l	250		72	35-165			
Surrogate: Dibromofluoromethane	*27.8*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L19002 Extracted: 12/19/04											
Matrix Spike Analyzed: 12/19/2004 (4L19002-MS1)					**Source: INL0991-23**						
Benzene	27.2	5.0	1.0	ug/l	25.0	ND	109	70-120			
Ethylbenzene	25.2	5.0	1.0	ug/l	25.0	ND	101	70-130			
Toluene	26.7	5.0	1.0	ug/l	25.0	ND	107	70-120			
o-Xylene	24.6	5.0	1.0	ug/l	25.0	ND	98	65-125			
m,p-Xylenes	48.9	5.0	1.0	ug/l	50.0	ND	98	65-130			
Xylenes, Total	73.5	5.0	1.0	ug/l	75.0	ND	98	65-135			
Di-isopropyl Ether (DIPE)	31.8	5.0	2.0	ug/l	25.0	ND	127	65-140			
Ethyl tert-Butyl Ether (ETBE)	30.7	5.0	2.0	ug/l	25.0	ND	123	60-140			
tert-Amyl Methyl Ether (TAME)	32.0	5.0	2.0	ug/l	25.0	ND	128	55-145			
Methyl-tert-butyl Ether (MTBE)	37.2	5.0	2.0	ug/l	25.0	4.6	130	50-155			
tert-Butanol (TBA)	117	25	10	ug/l	125	ND	94	65-145			
Ethanol	195	150	100	ug/l	250	ND	78	35-165			
Surrogate: Dibromofluoromethane	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 12/19/2004 (4L19002-MSD1)					**Source: INL0991-23**						
Benzene	25.1	5.0	1.0	ug/l	25.0	ND	100	70-120	8	20	
Ethylbenzene	24.2	5.0	1.0	ug/l	25.0	ND	97	70-130	4	20	
Toluene	24.9	5.0	1.0	ug/l	25.0	ND	100	70-120	7	20	
o-Xylene	23.0	5.0	1.0	ug/l	25.0	ND	92	65-125	7	20	
m,p-Xylenes	46.0	5.0	1.0	ug/l	50.0	ND	92	65-130	6	25	
Xylenes, Total	69.0	5.0	1.0	ug/l	75.0	ND	92	65-135	6	20	
Di-isopropyl Ether (DIPE)	29.0	5.0	2.0	ug/l	25.0	ND	116	65-140	9	25	
Ethyl tert-Butyl Ether (ETBE)	26.5	5.0	2.0	ug/l	25.0	ND	106	60-140	15	25	
tert-Amyl Methyl Ether (TAME)	26.4	5.0	2.0	ug/l	25.0	ND	106	55-145	19	30	
Methyl-tert-butyl Ether (MTBE)	29.5	5.0	2.0	ug/l	25.0	4.6	100	50-155	23	25	
tert-Butanol (TBA)	115	25	10	ug/l	125	ND	92	65-145	2	25	
Ethanol	213	150	100	ug/l	250	ND	85	35-165	9	30	
Surrogate: Dibromofluoromethane	*26.7*			*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22004 Extracted: 12/22/04											
Blank Analyzed: 12/22/2004 (4L22004-BLK1)											
Benzene	ND	5.0	1.0	ug/l							
Ethylbenzene	ND	5.0	1.0	ug/l							
Toluene	ND	5.0	1.0	ug/l							
o-Xylene	ND	5.0	1.0	ug/l							
m,p-Xylenes	ND	5.0	1.0	ug/l							
Xylenes, Total	ND	5.0	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	2.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	2.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	2.0	ug/l							
tert-Butanol (TBA)	ND	25	10	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*26.3*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 12/22/2004 (4L22004-BS1)											
Benzene	21.6	5.0	1.0	ug/l	25.0		86	70-120			
Ethylbenzene	22.9	5.0	1.0	ug/l	25.0		92	80-120			
Toluene	23.3	5.0	1.0	ug/l	25.0		93	75-120			
o-Xylene	22.7	5.0	1.0	ug/l	25.0		91	75-125			
m,p-Xylenes	46.3	5.0	1.0	ug/l	50.0		93	75-120			
Xylenes, Total	69.0	5.0	1.0	ug/l	75.0		92	75-125			
Di-isopropyl Ether (DIPE)	21.3	5.0	2.0	ug/l	25.0		85	65-135			
Ethyl tert-Butyl Ether (ETBE)	22.6	5.0	2.0	ug/l	25.0		90	60-140			
tert-Amyl Methyl Ether (TAME)	23.2	5.0	2.0	ug/l	25.0		93	60-140			
Methyl-tert-butyl Ether (MTBE)	22.9	5.0	2.0	ug/l	25.0		92	55-145			
tert-Butanol (TBA)	121	25	10	ug/l	125		97	70-140			
Ethanol	197	150	100	ug/l	250		79	35-165			
Surrogate: Dibromofluoromethane	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			

Del Mar Analytical, Irvine
Wendy Kirkeeng For Pat Abe
Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L22004 Extracted: 12/22/04											
Matrix Spike Analyzed: 12/22/2004 (4L22004-MS1)					**Source: INL0745-10**						
Benzene	23.2	5.0	1.0	ug/l	25.0	ND	93	70-120			
Ethylbenzene	24.9	5.0	1.0	ug/l	25.0	ND	100	70-130			
Toluene	25.1	5.0	1.0	ug/l	25.0	ND	100	70-120			
o-Xylene	24.0	5.0	1.0	ug/l	25.0	ND	96	65-125			
m,p-Xylenes	49.6	5.0	1.0	ug/l	50.0	ND	99	65-130			
Xylenes, Total	73.7	5.0	1.0	ug/l	75.0	ND	98	65-135			
Di-isopropyl Ether (DIPE)	22.9	5.0	2.0	ug/l	25.0	ND	92	65-140			
Ethyl tert-Butyl Ether (ETBE)	24.2	5.0	2.0	ug/l	25.0	ND	97	60-140			
tert-Amyl Methyl Ether (TAME)	24.7	5.0	2.0	ug/l	25.0	ND	99	55-145			
Methyl-tert-butyl Ether (MTBE)	25.0	5.0	2.0	ug/l	25.0	ND	100	50-155			
tert-Butanol (TBA)	122	25	10	ug/l	125	ND	98	65-145			
Ethanol	189	150	100	ug/l	250	ND	76	35-165			
Surrogate: Dibromofluoromethane	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*			*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Dup Analyzed: 12/22/2004 (4L22004-MSD1)					**Source: INL0745-10**						
Benzene	22.1	5.0	1.0	ug/l	25.0	ND	88	70-120	5	20	
Ethylbenzene	23.6	5.0	1.0	ug/l	25.0	ND	94	70-130	5	20	
Toluene	23.8	5.0	1.0	ug/l	25.0	ND	95	70-120	5	20	
o-Xylene	22.9	5.0	1.0	ug/l	25.0	ND	92	65-125	5	20	
m,p-Xylenes	47.3	5.0	1.0	ug/l	50.0	ND	95	65-130	5	25	
Xylenes, Total	70.3	5.0	1.0	ug/l	75.0	ND	94	65-135	5	20	
Di-isopropyl Ether (DIPE)	22.1	5.0	2.0	ug/l	25.0	ND	88	65-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	23.1	5.0	2.0	ug/l	25.0	ND	92	60-140	5	25	
tert-Amyl Methyl Ether (TAME)	23.7	5.0	2.0	ug/l	25.0	ND	95	55-145	4	30	
Methyl-tert-butyl Ether (MTBE)	23.5	5.0	2.0	ug/l	25.0	ND	94	50-155	6	25	
tert-Butanol (TBA)	121	25	10	ug/l	125	ND	97	65-145	1	25	
Ethanol	200	150	100	ug/l	250	ND	80	35-165	6	30	
Surrogate: Dibromofluoromethane	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 6176, West Covina

Report Number: INL0745

Sampled: 12/09/04
Received: 12/09/04

METHOD BLANK/QC DATA

DISSOLVED GASES BY HEADSPACE EQUILIBRIUM (RSK-175 MOD.)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L21036 Extracted: 12/21/04											
Blank Analyzed: 12/21/2004 (4L21036-BLK1)											
Methane	ND	0.050	N/A	mg/l							
LCS Analyzed: 12/21/2004 (4L21036-BS1)											
Methane	1.32	0.050	N/A	mg/l	1.36		97	80-120			
Matrix Spike Analyzed: 12/21/2004 (4L21036-MS1)						**Source: INL0745-01**					
Methane	1.40	0.050	N/A	mg/l	1.36	0.011	102	80-120			
Matrix Spike Dup Analyzed: 12/21/2004 (4L21036-MSD1)						**Source: INL0745-01**					
Methane	1.43	0.050	N/A	mg/l	1.36	0.011	104	80-120	2	25	

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Report Number: INL0745

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L10053 Extracted: 12/10/04											
Blank Analyzed: 12/10/2004 (4L10053-BLK1)											
Nitrate-N	ND	0.11	N/A	mg/l							
Sulfate	ND	0.50	N/A	mg/l							
LCS Analyzed: 12/10/2004 (4L10053-BS1)											
Nitrate-N	1.20	0.11	N/A	mg/l	1.13		106	90-110			
Sulfate	10.3	0.50	N/A	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 12/10/2004 (4L10053-MS1)					**Source: INL0745-02**						
Nitrate-N	1.26	0.11	N/A	mg/l	1.13	ND	112	80-120			
Sulfate	11.2	0.50	N/A	mg/l	10.0	0.53	107	80-120			
Matrix Spike Dup Analyzed: 12/10/2004 (4L10053-MSD1)					**Source: INL0745-02**						
Nitrate-N	1.22	0.11	N/A	mg/l	1.13	ND	108	80-120	3	20	
Sulfate	11.4	0.50	N/A	mg/l	10.0	0.53	109	80-120	2	20	
Batch: 4L10062 Extracted: 12/10/04											
Duplicate Analyzed: 12/10/2004 (4L10062-DUP1)					**Source: INL0737-01**						
pH	7.33	NA	N/A	pH Units		7.35			0	5	
Batch: 4L10064 Extracted: 12/10/04											
Duplicate Analyzed: 12/10/2004 (4L10064-DUP1)					**Source: INL0745-01**						
Redox Potential (Eh)	412	NA	N/A	mV		410			1	5	

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Attention: Paul McCarter

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4L10103 Extracted: 12/10/04											
Duplicate Analyzed: 12/10/2004 (4L10103-DUP1)						**Source: INL0745-01**					
Dissolved Oxygen	3.20	1.0	N/A	mg/l		3.0			6	20	
Batch: 4L22064 Extracted: 12/10/04											
Duplicate Analyzed: 12/10/2004 (4L22064-DUP1)						**Source: INL0745-01**					
Ferrous Iron	ND	0.10	N/A	mg/l		ND				20	

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DATA QUALIFIERS AND DEFINITIONS

J,DX EPA Flag - Estimated value,Value < lowest standard (MQL), but > than MDL

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

8015 Analysis EDF Parlabel Cross Reference

Analyte	EDF Parlabel
GRO (C4 - C12)	GROC4C12

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 300.0	Water	X	X
EPA 360.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 8015 Mod.	Water	X	X
EPA 8260B	Water	X	X
RSK-175 MOD.	Water	N/A	N/A
SM 2580B	Water	N/A	N/A
SM 3500-Fe D	Water		

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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11 Items total

Page 1 of 1

123743

Chain of Custody Record

Project Name Arco 6176
BP BU/GEM CO Portfolio: Desert
BP Laboratory Contract Number: 461000
Requested Due Date (mm/dd/yy) 10 days

On-site Time:	Temp:
Off- site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: 6176 - West Covina	Consultant/Contractor: Delta
Lab Name: Del Mar	BP/GEM Facility Address: 1001 E Amar Rd.	Address: Aliso Viejo
Lab Address: Irvine	Site ID No.	
	Site Lat/Long:	e-mail EDD:
	California Global ID #:	Consultant/Contractor Project No.: 00656RP
Lab PM: Pat Abe	BP/GEM PM Contact: O Terhune	Consultant/Contractor Tele/Fax:
Tele/Fax:	Address:	Consultant/Contractor PM: P McCarter
Report Type & QC Level:		Invoice to: Consultant or BP or Atlantic Richfield Co (Circle one)
BP/GEM Account No.: 6176	Tele/Fax:	BP/GEM Work Release No:
Lab Bottle Order No:		

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Ice	Requested Analysis: BTEX 8021	BTEX/TPH 8015	EPA 8260 BTEX 7 oxys	EPA 8270	Methane RSK175	DO	Iron Fe+2	Nitrate	ph	redox / sulfate	Sample Point Lat/Long and Comments
1 total	GW-3	1930	12/9		X		INL0745	14	X			X	X		X	X		X	X	X	X	X	X/X	
2	BC-1	1512						14	X						X	X		X	X	X	X	X	X/X	
3	GW-1	0900						5																
4	GW-4	0845																						
5	GW-2	0926																						
6	GW-6	1320																						
7	GW-7	1425																						
8	BC-18	1400																						
9/10	BC-2 / GW5	1410/1448																						
11	TB																	X						

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Brian Johnson	[signature] / Doulos	12/9	2100			
Sampler's Company: Doulos						
Shipment Date:						
Shipment Method:						
Shipment Tracking No:				[signature]	12/9	2100

Special Instructions:

Custody Seals In Place Yes ___ No X Cooler Temperature on Receipt ___ °F/C Trip Blank Yes X No ___

LABORATORY

BP COC Rev. 2 4/18/03

ATTACHMENT C

AS/SVE System Operation Summary

AS/SVE SYSTEM OPERATION SUMMARY – FOURTH QUARTER 2004
ARCO FACILITY NO. 6176
1001 E. AMAR ROAD
WEST COVINA, CALIFORNIA

BACKGROUND

Operation of the soil vapor extraction (SVE) system to address the hydrocarbon-impacted soil at the Site was initiated on May 6, 1997. Laboratory analytical results of the influent vapor samples indicated volatile fuel hydrocarbons (VFH) and benzene concentrations of 1,400 and 34 parts per million by volume (ppmv), respectively. From startup through February 1998, the SVE system was operated in cyclical mode and experienced occasional equipment malfunctioning. Laboratory analytical results of influent vapor samples collected on January 30, 1998, indicated a VFH concentration of 64 ppmv. Benzene was not detected at or above the laboratory-reporting limit. The system remained off during the second and third quarters of 1998 pending public notification for a fixed location permit (as required by the South Coast Air Quality Management District [SCAQMD]).

The SVE system was restarted on November 24, 1998, after a fixed location permit was obtained from the SCAQMD. The SVE system operated continuously through the first quarter 1999, with the exception of shutdowns due to system alarms and equipment repairs. Laboratory analytical results of influent vapor samples collected on November 24, 1998, indicated VFH and benzene concentrations of 490 and 7.8 ppmv, respectively. Laboratory analytical results of influent vapor samples collected on March 30, 1999, indicated influent VFH concentration of 730 ppmv and benzene concentration of 7.2 ppmv.

During the first quarter of 1999, dual completion wells VW-4 through VW-8 were installed and connected to the existing air sparge (AS) and SVE lateral piping. Wells VW-4, VW-5 and VW-6 were connected to the lateral AS and SVE piping for well BC-1. Wells VW-7 and VW-8 were connected to the existing AS and SVE lateral piping for well BC-5. The new wells were added along the Site's western property line (along Valinda Boulevard). In addition, an AS compressor and control panel were installed. Air sparging in conjunction with SVE was initiated on March 30, 1999, in order to address the hydrocarbon-impacted groundwater beneath the Site. Air sparging was initiated in wells VW-4 through VW-8 in an effort to create an oxygen barrier along the Site's western property line, thus reducing further offsite hydrocarbon migration. Air sparging was also initiated in existing sparge wells BC-1, BC-3, BC-4, BC-5, BC-6 and BC-7.

Following the initiation of AS/SVE at the site, laboratory analytical results of influent vapor samples collected on April 6, 1999, indicated VFH and benzene concentrations of 460 and 1.9 ppmv, respectively. On May 27, 1999, influent vapor samples indicated VFH and benzene concentrations of 440 and 2.1 ppmv, respectively.

From the second quarter of 1999 through the fourth quarter of 2000, the AS/SVE system operated on a continuous basis with the exception of occasional shutdowns due to equipment repairs. On July 10, 2000, a new AS compressor was installed. The compressor supplies approximately 10 pounds of air per square inch at 2 to 6 standard cubic feet per minute to each sparge point. Operation of the AS system, in conjunction with SVE activities, continued through the remainder of the fourth quarter of 2000. At the end of the period, laboratory analytical results of influent vapor samples collected on December 5, 2000 indicated VFH concentration of 79 ppmv. Benzene and MTBE concentrations were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively, in the December 5, 2000 influent sample.

During the first quarter of 2001, operation of the AS system, in conjunction with SVE activities, was cycled due to the continued low influent vapor concentrations. Laboratory analytical results of influent vapor samples collected on January 31, February 28, and March 30, 2001, indicated VFH concentrations of 70, 13, and 18 ppmv, respectively. For each sampling event, benzene and MTBE were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively.

Operation of the AS system, in conjunction with SVE activities, was cycled during the second quarter of 2001. Laboratory analytical results of influent vapor samples collected on April 25, May 31, and June 20, 2001, indicated VFH concentrations of 21 ppmv, 9.8 ppmv, and non detect at or above the laboratory reporting limit, respectively. For each sampling event, benzene and MTBE were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively.

Operation of the AS system, in conjunction with SVE activities, was cycled during the third quarter of 2001. Operation of the AS/SVE system was concentrated on wells BC-1 and VW-1. Laboratory analytical results of influent vapor samples collected on July 24, August 23, and September 19, 2001, indicated VFH concentrations of 4.5, 8.4, and 35 ppmv, respectively. For each sampling event, benzene and MTBE were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively.

Operation of the AS system, in conjunction with SVE activities, was cycled during the fourth quarter of 2001. During October 2001, the power supply to the system was removed in error (during removal of power to the former facility). Following installation of a replacement power pole, permit and re-inspection by the City of West Covina, and reconnection

of power by Southern California Edison, the system was restarted on November 19, 2001. Operation of the AS/SVE system was concentrated on all wells (with the exception of the sparge point at BC-4). Laboratory analytical results of influent vapor samples collected on October 18, November 21, and December 18, 2001, indicated VFH concentrations of 13, 44, and 30 ppmv, respectively.

Operation of the AS system, in conjunction with SVE activities, was cycled during the first quarter of 2002. The system also experienced automatic shutdowns due to process blower trips. Laboratory analytical results of influent vapor samples collected on January 23, February 12, and March 21, 2002, indicated VFH concentrations of 49, 60, and 23 ppmv, respectively. For all sampling events, benzene and MTBE were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively.

Operation of the AS system, in conjunction with SVE activities, was cycled during the second quarter of 2002. The unit was turned off for cycling and for equipment repairs on May 1, 2002, and remained off for the rest of the quarter. Laboratory analytical results of the influent vapor sample collected on April 16, 2002 indicated a VFH concentration of 44 ppmv. Benzene and MTBE were not detected at or above the laboratory reporting limits of 1.6 and 1.4 ppmv, respectively.

The SVE system was operational intermittently during the third quarter of 2002. The unit was turned off from May 1, 2002, through July 10, 2002, due to mechanical problems. The unit was shut down on August 1, 2002, due to a malfunctioning of the flame actuator and on August 14, 2002, due to groundwater sampling activities. The system remained off until September 25, 2002, when it was restarted following system repair.

Laboratory analytical results of the influent vapor sample collected on July 16, 2002 indicated a pre-dilution VFH concentration of 41.0 ppmv. No VFH concentration was detected in the effluent sample at or above a laboratory-reporting limit of 2.4 ppmv.

The SVE system was operational intermittently during the fourth quarter of 2002. SVE system operational uptime was approximately 43%. Laboratory analytical results of vapor influent samples collected on October 23, November 21, and December 18, 2002, indicated pre-dilution VFH concentrations of 33, 36, and 28 ppmv, respectively.

SVE system operational uptime was approximately 60% (through March 26, 2003) during the first quarter of 2003. The AS system compressor was replaced on February 5, 2003, after which the AS system operated in conjunction with the SVE system for the remainder of the quarter. Laboratory analytical results of vapor influent samples collected on January 22, February 19, and March 12, 2003, indicated pre-dilution VFH concentrations of 42, 140, and 24 ppmv, respectively. Benzene and MTBE were detected at 1.8 ppmv and 1.7 ppmv, respectively for the February 19, 2003 influent vapor sample.

SVE system operational uptime was approximately 73% (through July 2, 2003) during the second quarter 2003. The AS system operated in conjunction with the SVE system until May 15, 2003, when it was shut down for repairs to the compressor. Laboratory analytical results of vapor influent samples collected on April 23, and June 18, 2003, indicated pre-dilution VFH concentrations of 4.8 and 6.2 ppmv, respectively. Benzene and MTBE were not detected at the laboratory-reporting limits of 1.6 ppmv and 1.4 ppmv, respectively.

SVE system operational uptime was approximately 99% (through September 30, 2003) during the third quarter 2003. The AS system did not operate all quarter due to compressor repairs. Laboratory analytical results of vapor influent samples collected on July 31, August 19, and September 16, 2003, indicated pre-dilution VFH concentrations of 7.0 ppmv, not detected at the laboratory-reporting limit of 2.4 ppmv, and 4.6 ppmv, respectively. Benzene and MTBE were not detected at the laboratory-reporting limits of 1.6 ppmv and 1.4 ppmv, respectively.

The SVE system operational time during the fourth quarter 2003 was approximately 61% (through December 22, 2003). The AS system was restarted on November 12, 2003 after compressor repairs were complete. Laboratory analytical results of vapor influent samples collected on November 11, November 18, and December 16, 2003, indicated pre-dilution VFH concentrations of less than 2.4 ppmv, 25 ppmv, and 29 ppmv, respectively. Benzene and MTBE were not detected at the laboratory-reporting limits of 1.6 ppmv and 1.4 ppmv, respectively.

The SVE system operational time during first quarter of 2004 was approximately 8% (covering January 1, 2004 through March 3, 2004). Laboratory analytical results of vapor influent sample collected on February 5, 2004, indicated pre-dilution VFH concentrations 5.6 ppmv, respectively. Benzene and MTBE were not detected at the laboratory-reporting limits of 1.6 ppmv and 1.4 ppmv, respectively. During the month of January, the AS/SVE system was not operational due to site

demolition activities. During excavation of the tank pit, lateral lines to the SVE system were damaged. Upon completion of repairs to the lateral lines, the treatment system was restarted on February 3, 2004. The AS/SVE system was shutdown for repairs to the AS flow gauge and compressor motor on March 3, 2004.

Total operational time for the second quarter of 2004 was approximately 17% (covering April 1, 2004 through May 25, 2004). Approximately 2 pounds of petroleum hydrocarbons were extracted from the subsurface during the monitoring period. An approximate total of 5,932 pounds of petroleum hydrocarbons have been extracted from the subsurface since the initiation of SVE activities on May 6, 1997. SVE system operational time was limited during the second quarter 2004. During the month of April, the AS/SVE system was not operational due to repairs on the air sparge manifold. The air sparge manifold was repaired on May 13, 2004 and the system was restarted. On May 25, 2004 the AS/SVE system was down due to a tripped blower. Individual well head concentrations were collected on May 18, 2004 to analyze for rebound effects during the system shutdown period. Laboratory results indicated VFH concentrations to be 26, 4.6 and 9.3 for SVE wells BC-1, GW-1 and BC-5, respectively. SVE wells BC-3, BC-6, BC-7, VW-3, BC-4, VW-2, VW-1 and GW-2 did not indicate any VFH concentrations at or above 2.8 ppmv. Laboratory analytical results of vapor influent sample indicated pre-dilution VFH concentrations to be non-detectable at 2.8 ppmv. Benzene and MTBE were not detected at the laboratory-reporting limits of 1.6 ppmv and 1.4 ppmv, respectively.

On June 29, 2004, Delta submitted *Notice of Intent, Modification to On-Site Remediation Operations* to the CRWQCB-LA requesting to modify the existing AS/SVE system to a biosparge system. Influent concentrations to the SVE system have been reduced to asymptotic levels. Therefore, Delta believes the SVE portion of the remediation system has reached the feasible limit of operation. Delta believes the air sparge portion of the system remains to provide a beneficial remedial effect by increasing the available oxygen in the groundwater and promoting the biodegradation of dissolved-phase hydrocarbons. However, the dissolved-phase concentrations have been reduced to a level where air stripping is no longer a significant part of the remediation process. Therefore, the SVE system is no longer necessary to remove the injected air stream.

Delta has received a letter dated on August 12, 2004 from the CRWQCB-LA accepting the proposed modification to the existing treatment system.

ACTIVITIES DURING REPORTING PERIOD

The SVE system was not operating during the reporting period. Biosparging activities are planned to begin during the first quarter of 2005.

PROGRESS TOWARDS CLOSURE

Begin biosparging activities at the site during the first quarter of 2005.

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TABLE 1
SVE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm)	Combus. Temp. (Deg F)	Inlet VOC Conc. (PID-ppmv)	Exhaust VOC Conc. (PID-ppmv)	VFH Conc.	Inlet Benzene Conc. (lab-ppmv)	MTBE Conc.	VFH Conc.	Exhaust Benzene Conc. (lab-ppmv)	MTBE Conc.	Estimated VFH Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
06-May-97	Startup	1	0	140	1400	3520	46	1400	34	NA	11	ND<1.6	NA	1400	0	0	
13-May-97	Restart	6	3	143	1468	5185	0	NA	NA	NA	46	ND<1.6	NA	1272	68	15	
22-May-97	Restart	44	18	148	1466	2150	0	370	8.8	NA	NA	NA	NA	370	20	47	
27-May-97	Restart	46	2	143	1450	2233	0	NA	NA	NA	NA	NA	NA	370	21	49	
03-Jun-97	On	217	100	140	1450	1687	0	390	10	NA	3.4	ND<1.6	NA	390	21	201	
10-Jul-97	Restart	218	0	140	1450	2831	0	110	ND<1.6	NA	2.9	ND<1.6	NA	110	6	202	
15-Jul-97	On	339	100	142	1450	2643	0	NA	NA	NA	NA	NA	NA	161	9	245	
22-Jul-97	On	505	99	145	1450	570	0	230	2.9	NA	17	ND<1.6	NA	230	13	332	
06-Aug-97	On	861	99	140	1450	560	0	180	2.4	NA	NA	NA	NA	180	10	480	
12-Aug-97	On	1008	100	143	1450	621	0	NA	NA	NA	NA	NA	NA	163	9	533	
20-Aug-97	On	1201	100	139	1450	733	0	140	1.7	NA	3.2	ND<1.6	NA	140	8	595	
29-Aug-97	On	1415	99	143	1450	681	0	NA	NA	NA	NA	NA	NA	119	6	652	
02-Sep-97	On	1513	100	138	1450	310	0	110	ND<1.6	NA	3.4	ND<1.6	NA	110	6	676	
09-Sep-97	On	1683	100	136	1450	461	0	NA	NA	NA	NA	NA	NA	200	11	751	
19-Sep-97	On	1922	100	139	1455	NA	NA	NA	NA	NA	NA	NA	NA	327	17	921	
24-Sep-97	On	2041	99	132	1450	641	0	390	4.1	NA	2.9	ND<1.6	NA	390	21	1024	
02-Oct-97	On	2234	100	128	1450	883	0	NA	NA	NA	NA	NA	NA	1093	55	1468	
10-Oct-97	Restart	2236	1	106	1450	2015	NA	1100	25	NA	NA	NA	NA	1100	54	1472	
17-Oct-97	Restart	2237	1	118	1450	7000+	0	NA	NA	NA	NA	NA	NA	1092	44	1474	
24-Oct-97	On	2333	57	91	1450	1256	0	290	5.9	NA	ND<2.4	ND<1.6	NA	290	13	1527	
30-Oct-97	Restart	2406	51	105	1450	1463	0	NA	NA	NA	NA	NA	NA	368	13	1566	
05-Nov-97	Restart	2408	1	109	1450	1610	0	370	8.8	NA	NA	NA	NA	370	15	1567	
13-Nov-97	On	2601	100	91	1450	1281	0	NA	NA	NA	NA	NA	NA	285	12	1662	
21-Nov-97	Restart	2724	64	129	1450	1463	0	NA	NA	NA	NA	NA	NA	230	8	1704	
25-Nov-97	Restart	2725	1	143	1450	1010	0	230	ND<1.6	NA	2.7	ND<1.6	NA	230	11	1704	
03-Dec-97	Restart	2730	3	144	1455	1533	0	NA	NA	NA	NA	NA	NA	322	18	1708	
11-Dec-97	Restart	2731	1	140	1456	NA	NA	340	14	NA	2.4	ND<1.6	NA	340	19	1708	
19-Dec-97	Restart	2732	1	144	1469	1341	0	NA	NA	NA	NA	NA	NA	338	18	1709	
05-Jan-98	Restart	2732.2	0	152	1461	NA	NA	NA	NA	NA	NA	NA	NA	338	19	1709	
13-Jan-98	On	2925	100	147	1459	2888	0	7.1	ND<1.6	NA	ND<2.4	ND<1.6	NA	7	0	1713	
23-Jan-98	On	3164	100	141	1449	2633	0	NA	NA	NA	NA	NA	NA	62	3	1747	
30-Jan-98	Restart	3173	5	145	1465	3143	0	64	ND<1.6	NA	NA	NA	NA	64	3	1749	
11-Feb-98	Off	3179	2	139	1446	190	0	8.6	ND<1.6	NA	ND<2.4	ND<1.6	NA	9	0	1749	
23-Nov-98	Off	3181.2	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	374	20	1751	Unable to restart
24-Nov-98	Restart	3181.9	3	118	1450	4998	1.2	490	7.8	NA	ND<2.4	ND<1.6	NA	490	0	1751	Adjusted gas for stability/Replace signage
30-Nov-98	Restart	3187.3	4	107	1431	4360	0.9	NA	NA	NA	NA	NA	NA	499	23	1756	
08-Dec-98	On	3371.0	96	111	1436	3680	0.7	810	13	NA	NA	NA	NA	810	33	2010	Close dilution air/Calibrated LEL sensor
16-Dec-98	On	3562.8	100	101	1441	4553	1.2	NA	NA	NA	NA	NA	NA	430	18	2156	Clean K/O pot and lines
22-Dec-98	Off	3704.4	98	88	1435	3860	0.8	NA	NA	NA	NA	NA	NA	150	6	2190	Shut system down/Need K/O drum
06-Jan-99	Off	3714.6	3	119	1435	3860	0.8	130	3.1	NA	ND<2.4	ND<1.6	NA	130	4	2192	Repair of K/O system. Unit restarted.
11-Jan-99	Off	3715.2	0	127	1482	4976	7.2	NA	NA	NA	NA	NA	NA	130	6	2192	Down on arrival/High temp alarm
22-Jan-99	Off	3771.1	21	129	1431	3798	8.9	NA	NA	NA	NA	NA	NA	167	8	2211	Down on arrival/High temp alarm
27-Jan-99	On	3889.3	99	87	1431	2010	0.5	NA	NA	NA	NA	NA	NA	244	12	2270	
02-Feb-99	On	4033.2	100	89	1427	1864	1	NA	NA	NA	NA	NA	NA	338	11	2338	
08-Feb-99	On	4187.4	100	82	1426	1640	0.8	NA	NA	NA	NA	NA	NA	438	15	2434	
16-Feb-99	On	4374.4	97	82	1412	4060	1.2	560	3.1	NA	ND<2.4	ND<1.6	NA	560	18	2571	
26-Feb-99	On	4738.9	100	84	1415	2248	0.8	NA	NA	NA	NA	NA	NA	702	22	2906	
03-Mar-99	Off	4738.91	0	84	1412	4060	1.2	NA	NA	NA	NA	NA	NA	702	23	2906	Down on arrival/High K/O level alarm
15-Mar-99	On	4739.3	0	90	1450	3560	0.9	NA	NA	NA	NA	NA	NA	702	23	2906	Down on arrival/High K/O level alarm
18-Mar-99	Off	4811.3	100	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	730	25	2982	System down pending connection of new wells
30-Mar-99	Restart	4811.1	0	90	1450	NA	NA	730	7.2	NA	4.4	ND<1.6	NA	730	25	2981	Sparge system startup
05-Apr-99	Restart	4883.5	50	85	NA	NA	NA	NA	NA	NA	NA	NA	NA	527	18	3036	Installed sound blankets

TABLE 1
SVE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm)	Combus. Temp. (Deg F)	Inlet VOC Conc. (PID-ppmv)	Exhaust VOC Conc. (PID-ppmv)	VFH Conc.	Inlet Benzene Conc. (lab-ppmv)	MTBE Conc.	VFH Conc.	Exhaust Benzene Conc. (lab-ppmv)	MTBE Conc.	Estimated VFH Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
06-Apr-99	On	4907.5	100	85	1412	3680	2.3	460	1.9	NA	4.4	ND<1.6	NA	460	15	3051	Raining/Left new fire extinguisher on site
13-Apr-99	On	5075.6	100	84	1413	546.1	3.2	NA	NA	NA	NA	NA	NA	447	15	3153	Clean enclosure/Phone line not working
20-Apr-99	On	5242.3	99	76	1407	517.6	2.7	NA	NA	NA	NA	NA	NA	434	14	3250	
27-Apr-99	On	5420.7	100	78	1414	835.5	1.6	420	2.8	NA	ND<2.4	ND<1.6	NA	420	12	3341	
03-May-99	On	5555.3	93	80	1406	339.3	0	NA	NA	NA	NA	NA	NA	424	13	3412	Replaced signage/Need to drain K/O drums
10-May-99	On	5723.3	100	78	NA	NA	NA	NA	NA	NA	NA	NA	NA	429	13	3504	Palomar installed new phone line
11-May-99	On	5747.3	100	78	1411	486.7	0.2	NA	NA	NA	NA	NA	NA	430	13	3517	
17-May-99	On	5891.5	100	76	1408	300.6	4.8	NA	NA	NA	NA	NA	NA	435	13	3595	Calibrated LEL sensor
27-May-99	Restart	6066.5	73	84	1417	1220	0.2	440	2.1	NA	3.2	ND<1.6	NA	440	13	3688	Removed fax board
01-Jun-99	On	6195.8	100	77	1411	418.6	0	NA	NA	NA	NA	NA	NA	408	13	3759	
05-Jun-99	Off	6283.6	91	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	386	11	3801	Shut system down for cycling
01-Sep-99	Restart	6283.6	0	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	386	0	3801	Chart recorder installed by Stealth
02-Sep-99	Running	6303.0	81	84	1450	5975	21.5	NA	NA	NA	NA	NA	NA	382	12	3810	
10-Sep-99	On	6501.2	100	80	1440	350.6	0	NA	NA	NA	NA	NA	NA	333	11	3898	
14-Sep-99	On	6587.8	90	80	1433	3380	1	NA	NA	NA	NA	NA	NA	311	10	3933	
21-Sep-99	On	6755.2	100	80	1435	3420	0	270	ND<1.6	NA	ND<2.4	ND<1.6	NA	270	8	3991	
29-Sep-99	On	6929.6	91	82	1424	269.3	0	NA	NA	NA	NA	NA	NA	231	7	4042	
05-Oct-99	On	7090	100	82	1417	310.4	0	NA	NA	NA	NA	NA	NA	196	6	4083	
12-Oct-99	On	7260.5	100	84	1421	197.6	0	NA	NA	NA	NA	NA	NA	158	5	4118	
22-Oct-99	On	7501.1	100	87	1418	134.7	0	NA	NA	NA	NA	NA	NA	105	3	4152	
29-Oct-99	On	7667.8	99	87	1417	260.2	0	68	ND<1.6	NA	ND<2.4	ND<1.6	NA	68	2	4168	
04-Nov-99	On	7817	100	87	1413	629.4	0	NA	NA	NA	NA	NA	NA	72	2	4183	Sparge off for repairs
05-Nov-99	On	7842	100	89	1413	783.4	0	NA	NA	NA	NA	NA	NA	72	2	4185	Repaired/Restarted sparge system
11-Nov-99	On	7980.7	96	64	1409	924	0	NA	NA	NA	NA	NA	NA	76	3	4200	
18-Nov-99	On	8149.6	100	121	1415	326.1	0	NA	NA	NA	NA	NA	NA	80	2	4214	
23-Nov-99	Off	8268.9	99	127	1412	399.4	0	NA	NA	NA	NA	NA	NA	83	4	4233	Unit shut off/High k/o/Electrical problems/Cycling
03-Jan-00	Restart	8269.3	0	177	1457	>20,000	0	NA	NA	NA	NA	NA	NA	83	4	4233	Repairs/Restart. Influent concentrations high.
04-Jan-00	On	8293.1	99	174	1466	NA	NA	NA	NA	NA	NA	NA	NA	83	6	4239	Dilution air needed due to high inlet VOCs.
06-Jan-00	On	8340.3	98	151	1429	NA	NA	NA	NA	NA	NA	NA	NA	84	6	4250	Closed dil. air. Restart sparge (3 hrs on/1 hr off)
10-Jan-00	On	8436.8	100	135	1414	953.9	0	NA	NA	NA	NA	NA	NA	87	5	4270	
17-Jan-00	On	8605.2	100	137	1412	854	0	NA	NA	NA	NA	NA	NA	91	5	4303	Calibrated LEL sensor
24-Jan-00	On	8780.6	100	136	1411	1700	0	NA	NA	NA	NA	NA	NA	95	5	4339	Calibrated LEL sensor
26-Jan-00	On	8820.6	83	140	1412	1012	0	96	ND<1.6	NA	ND<2.4	ND<1.6	NA	96	5	4348	
01-Feb-00	Off	8970.7	100	141	1414	412.5	0	NA	NA	NA	NA	NA	NA	88	5	4377	Shutdown K/O system full
03-Feb-00	Restart	8970.7	0	140	1420	528.6	0	NA	NA	NA	NA	NA	NA	88	5	4377	Restart unit and sparge system
08-Feb-00	On	9086.8	97	138	1414	638.4	0	NA	NA	NA	NA	NA	NA	82	4	4398	
15-Feb-00	On	9256	100	139	1417	501.9	0	NA	NA	NA	NA	NA	NA	72	4	4425	
21-Feb-00	Restart	9256.1	0	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	72	4	4425	
22-Feb-00	Off	9280.7	100	171	1413	915.6	0	71	ND<1.6	43	ND<2.4	ND<1.6	ND<1.4	71	5	4431	Unit shutoff for groundwater sampling
28-Feb-00	Restart	9280.7	0	187	NA	NA	NA	NA	NA	NA	NA	NA	NA	71	5	4431	
02-Mar-00	Restart	9301.4	29	135	1420	1460	0	NA	NA	NA	NA	NA	NA	77	6	4436	Unit and sparge system restarted
09-Mar-00	Off	9301.4	0	135	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	4	4436	Process blower failure
22-Mar-00	Restart	9361.6	19	139	1467	1820	0	NA	NA	NA	NA	NA	NA	96	5	4448	Repaired K/O system
29-Mar-00	On	9468.9	64	128	1485	487.9	0	130	3.4	6.9	ND<2.4	ND<1.6	ND<1.4	130	7	4479	Turn on K/O pot pump
06-Apr-00	On	9654.9	97	118	1415	684.7	0	NA	NA	NA	NA	NA	NA	101	5	4517	
12-Apr-00	Restart	9748.3	65	129	1455	135.6	0	NA	NA	NA	NA	NA	NA	86	4	4532	Down on arrival/Process blower failure
20-Apr-00	Restart	9842.0	49	130	1435	156	0	NA	NA	NA	NA	NA	NA	71	4	4546	Down on arrival/Process blower failure
27-Apr-00	Restart	9914.0	43	122	1425	60	0	60	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	60	3	4555	Down on arrival/Process blower failure
02-May-00	Restart	9915.2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	3	4555	Down on arrival/Process blower failure
08-May-00	Off	9915.2	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	3	4555	Replaced fuse
11-May-00	Restart	9915.2	0	200	383	NA	NA	NA	NA	NA	NA	NA	NA	60	3	4555	Replace loose wire #24
12-May-00	On	9932.3	71	149	1451	2,783	0	NA	NA	NA	NA	NA	NA	58	4	4558	

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1001 EAST AMAR ROAD
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17-May-00	On	10057.5	100	124	1417	166	0	NA	NA	NA	NA	NA	NA	41	2	4570	Sparge compressor failure/Need replacement
24-May-00	Restart	10170.3	67	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	1	4576	Down on arrival/Water sampling
25-May-00	On	10187.1	70	123	1414	210	0	23	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	23	2	4577	
31-May-00	On	10334.1	100	120	1409	93	0	NA	NA	NA	NA	NA	NA	24	1	4584	Replaced air filter/Signs/Sound blankets
03-Jun-00	On	10402.6	95	120	1415	NA	NA	NA	NA	NA	NA	NA	NA	24	1	4587	Drive by
07-Jun-00	On	10499.0	100	118	1414	129	0	NA	NA	NA	NA	NA	NA	24	1	4592	Repair sound blankets
14-Jun-00	On	10666.8	100	115	1425	113	0	NA	NA	NA	NA	NA	NA	25	1	4600	SVE off - cyclic operation pending AS repairs
05-Jul-00	Off	10666.8	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	1	4600	Turn over blower
10-Jul-00	Restart	10666.8	0	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	1	4600	Install new AS compressor
12-Jul-00	On	10711.0	92	127	1413	324.6	0	NA	NA	NA	NA	NA	NA	25	2	4603	Check SVE wells/Install sound blankets
19-Jul-00	On	10878.9	100	121	1412	313.4	0	26	ND<1.6	13	ND<2.4	ND<1.6	ND<1.4	26	1	4612	AS needs love joy coupling
28-Jul-00	On	11092.7	99	121	1418	2360	0	NA	NA	NA	NA	NA	NA	28	1	4624	
03-Aug-00	On	11237.9	100	119	1440	1787	0	NA	NA	NA	NA	NA	NA	29	1	4632	AS needs new flange coupling
08-Aug-00	On	11356.8	99	121	1412	347.6	0	NA	NA	NA	NA	NA	NA	30	1	4639	Cleaned up compound
16-Aug-00	On	11548.6	100	115	1418	1154	0	32	ND<1.6	14	ND<2.4	ND<1.6	ND<1.4	32	1	4651	
23-Aug-00	On	11716.5	100	118	1418	987.4	0	NA	NA	NA	NA	NA	NA	68	3	4672	
29-Aug-00	Restart	11740.1	16	126	1435	1246	0	NA	NA	NA	NA	NA	NA	74	3	4675	Down on arrival main power switch off
06-Sep-00	On	11931.2	100	121	1416	254.8	0	NA	NA	NA	NA	NA	NA	115	6	4719	
13-Sep-00	On	12100.1	100	121	1416	254.8	0	NA	NA	NA	NA	NA	NA	152	7	4768	AS manifold leaking
19-Sep-00	Restart	12248.2	100	120	1418	264.7	0	NA	NA	NA	NA	NA	NA	184	9	4831	Manually shut down
26-Sep-00	On	12415.6	100	120	1414	214.6	0	220	3.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	220	10	4902	AS repair manifold
03-Oct-00	On	12583.9	100	116	1413	187.2	0	NA	NA	NA	NA	NA	NA	207	10	4969	
10-Oct-00	On	12745.9	96	116	1410	144.7	0	NA	NA	NA	NA	NA	NA	195	9	5027	
17-Oct-00	On	12913.9	100	115	1424	210.4	0	NA	NA	NA	NA	NA	NA	183	8	5084	Reset LEL set point
24-Oct-00	On	13082.0	100	117	1417	185.4	0	170	ND<1.6	3.5	ND<2.4	ND<1.6	ND<1.4	170	7	5137	
31-Oct-00	On	13249.8	100	115	1415	158.7	0	NA	NA	NA	NA	NA	NA	136	6	5179	
07-Nov-00	On	13418.0	100	113	1411	102.8	0	NA	NA	NA	NA	NA	NA	102	4	5211	
15-Nov-00	Restart	13513.2	50	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	83	4	5225	Down on arrival/Main power shut off
17-Nov-00	Restart	13530.5	36	150	1401	157	0	NA	NA	NA	NA	NA	NA	79	6	5229	Down on arrival/Blown Breaker
18-Nov-00	Off	13531.2	3	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	79	5	5229	Down on arrival/Blown Breaker
28-Nov-00	Off	13531.2	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	79	0	5229	Install ASCO valve, float switch, clean K/O filter
05-Dec-00	Restart	13532.0	0	137	1413	238.6	0	79	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	79	0	5229	Install AS cooling fan
11-Dec-00	On	13673.1	98	135	1421	218.4	0	NA	NA	NA	NA	NA	NA	77	4	5253	SVE adjustments
17-Dec-00	On	13816.7	100	131	1416	238.2	0	NA	NA	NA	NA	NA	NA	75	4	5276	
27-Dec-00	Restart	13999.3	76	132	1402	202.9	0	NA	NA	NA	NA	NA	NA	72	4	5304	Down on arrival. Tripped blower breaker.
08-Jan-01	Restart	14090.0	31	132	1415	NA	NA	NA	NA	NA	NA	NA	NA	71	4	5317	
10-Jan-01	Off	14114.4	51	132	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	4	5321	Down on arrival. K/O system full.
29-Jan-01	Restart	14114.4	0	200	1415	NA	NA	NA	NA	NA	NA	NA	NA	70	4	5321	
31-Jan-01	Restart	14143.2	60	129	1418	97.6	0	70	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	70	5	5327	Down on arrival. Tripped blower breaker.
08-Feb-01	Off	14186.2	22	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	62	3	5333	Down on arrival. Blown fuse.
13-Feb-01	Restart	14186.3	0	200	1420	NA	NA	NA	NA	NA	NA	NA	NA	62	0	5333	Replace fuse. Restart
16-Feb-01	Restart	14192.6	9	128	1428	144.7	0	NA	NA	NA	NA	NA	NA	61	5	5334	Down on arrival. Service k/o system.
21-Feb-01	On	14311.9	99	121	1416	156.4	0	NA	NA	NA	NA	NA	NA	40	2	5344	
25-Feb-01	Restart	14396.3	88	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	1	5348	Down on arrival/High liquid level
28-Feb-01	On	14468.2	100	117	1413	223.4	0	13	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	13	1	5351	
06-Mar-01	Restart	14570.0	71	200	1415	NA	NA	NA	NA	NA	NA	NA	NA	15	1	5354	Down on arrival. K/O system full.
16-Mar-01	Off	14601.0	13	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	1	5356	Down on arrival/Electrical failure
27-Mar-01	Restart	14601.4	0	200	1415	NA	NA	NA	NA	NA	NA	NA	NA	16	0	5356	Electrical wiring replacement/repairs
30-Mar-01	On	14672.6	99	123	1415	21.7	0	18	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	18	1	5360	
05-Apr-01	Restart	14823.7	100	151	1454	187.0	0	NA	NA	NA	NA	NA	NA	19	1	5366	
11-Apr-01	On	14958.9	94	154	1414	27.2	0	NA	NA	NA	NA	NA	NA	21	1	5372	
13-Apr-01	On	15006.2	99	153	1425	3.0	0	NA	NA	NA	NA	NA	NA	21	1	5375	

TABLE 1
SVE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm)	Combus. Temp. (Deg F)	Inlet VOC Conc. (PID-ppmv)	Exhaust VOC Conc. (PID-ppmv)	VFH Conc.	Inlet Benzene Conc. (lab-ppmv)	MTBE Conc.	VFH Conc.	Exhaust Benzene Conc. (lab-ppmv)	MTBE Conc.	Estimated VFH Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
25-Apr-01	On	15007.0	0	131	1414	21.0	0	21	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	21	1	5375	
02-May-01	On	15180.1	100	115	1419	8.0	0	NA	NA	NA	NA	NA	NA	18	1	5381	
09-May-01	On	15350.3	100	113	1415	18.4	0	NA	NA	NA	NA	NA	NA	16	1	5386	
17-May-01	Off	15534.7	96	110	1414	36.6	0	NA	NA	NA	NA	NA	NA	13	1	5391	Off for cycling
22-May-01	Restart	15534.7	0	127	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	1	5391	
24-May-01	On	15589.0	100	127	1418	15.4	0	NA	NA	NA	NA	NA	NA	12	1	5392	
31-May-01	Off	15734.8	87	138	1411	76.4	0	9.8	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	9.8	0.5	5395	Off for cycling
06-Jun-01	Restart	15734.9	0	140	1418	128.7	0	NA	NA	NA	NA	NA	NA	9.8	0.5	5395	
12-Jun-01	Off	15884.0	100	138	1413	64.3	0	NA	NA	NA	NA	NA	NA	3	0.2	5396	Off for cycling
19-Jun-01	Restart	15884.6	0	138	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	0.2	5396	
20-Jun-01	On	15908.8	100	138	1412	66.3	0	ND<2.4	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	2.4	0.1	5396	
27-Jun-01	Off	16076.4	100	138	1417.0	60.7	0	NA	NA	NA	NA	NA	NA	3	0.2	5397	Off for cycling
03-Jul-01	Restart	16076.5	0	139	1415	56.7	0	NA	NA	NA	NA	NA	NA	3	0.2	5397	
10-Jul-01	Off	16244.9	100	136	1418	27.0	0	NA	NA	NA	NA	NA	NA	4	0.2	5399	Off for cycling
17-Jul-01	Restart	16244.9	0	132	1425	201.0	0	NA	NA	NA	NA	NA	NA	4	0.2	5399	
24-Jul-01	Off	16405.9	96	135	1416	137.0	0	4.5	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	4.5	0.2	5400	Off for cycling
01-Aug-01	Restart	16405.9	0	135	1415	208.0	0	NA	NA	NA	NA	NA	NA	5	0.2	5400	
09-Aug-01	Off	16604.1	100	138	1415	162.3	0	NA	NA	NA	NA	NA	NA	6	0.3	5403	Off for cycling
15-Aug-01	Restart	16604.5	0	135	1415	227.0	0	NA	NA	NA	NA	NA	NA	6	0.3	5403	
23-Aug-01	Off	16795.7	100	117	1420	3.2	0	8.4	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	8.4	0.4	5406	Off for cycling
04-Sep-01	Restart	16795.7	0	118	1413	52.6	0	NA	NA	NA	NA	NA	NA	8	0.4	5406	
14-Sep-01	Off	17045.1	100	114	1415	72.6	0	NA	NA	NA	NA	NA	NA	35	1.6	5423	Off for cycling
19-Sep-01	Restart	17046.0	1	119	1417	168.1	0	35	ND<1.6	ND<1.4	4.3	ND<1.6	ND<1.4	35	1.5	5423	
24-Sep-01	Off	17171.2	100	115	1412	6.6	0	NA	NA	NA	NA	NA	NA	28	1.3	5429	Off for cycling
01-Oct-01	Restart	17171.2	0	118	1449	152.6	0	NA	NA	NA	NA	NA	NA	28	1.2	5429	
08-Oct-01	Off	17340.5	100	120	1415	41.2	0	NA	NA	NA	NA	NA	NA	17	0.8	5435	Off for cycling
15-Oct-01	Restart	17340.6	0	118	1420	NA	NA	NA	NA	NA	NA	NA	NA	17	0.8	5435	
18-Oct-01	On	17413.4	100	145	1415	15.6	0	13	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	13	0.6	5437	
22-Oct-01	Off	17440.8	29	145	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	0.8	5438	
19-Nov-01	Restart	17440.8	0	200	1415	NA	NA	NA	NA	NA	NA	NA	NA	14	0.8	5438	Restart following installation on new meter/pole
21-Nov-01	On	17488.7	100	144	1413	1021.0	0	44	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	17	1.3	5440	
28-Nov-01	Off	17657.0	100	143	1418	56.0	0	NA	NA	NA	NA	NA	NA	20	1.1	5448	Off for cycling
05-Dec-01	Restart	17657.1	0	144	1410	328.4	0	NA	NA	NA	NA	NA	NA	20	1.1	5448	
14-Dec-01	Restart	17676.2	9	143	1422	289.0	4	NA	NA	NA	NA	NA	NA	21	1.1	5449	Down on arrival. Process blower trip.
18-Dec-01	Off	17697.0	22	145	1446	68.0	0	30	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	21	1.2	5450	Off for cycling
26-Dec-01	Restart	17697.3	0	145	1432	82.0	0	NA	NA	NA	NA	NA	NA	21	1.2	5450	
03-Jan-02	Off	17708.3	6	145	1425	56.0	0	NA	NA	NA	NA	NA	NA	35	1.9	5451	Down on arrival. Tripped blower breaker.
08-Jan-02	Restart	17708.3	0	144	1425	138.6	0	NA	NA	NA	NA	NA	NA	35	1.9	5451	
23-Jan-02	Off	17719.9	3	0	NA	NA	NA	49	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	49	2.7	5452	Down on arrival. Blown combustion blower fuse.
29-Jan-02	Restart	17719.9	0	144	1435	187.2	0	NA	NA	NA	NA	NA	NA	49	0.0	5452	Replace combustion blower fuse
07-Feb-02	Restart	17725.4	3	140	1430	89.2	0	NA	NA	NA	NA	NA	NA	59	3.2	5453	Down on arrival. Process blower trip.
12-Feb-02	Restart	17726.1	1	131	1418	208.0	0	60	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	60	3.2	5453	
26-Feb-02	Restart	17742.0	5	136	NA	467.3	0	NA	NA	NA	NA	NA	NA	59	2.9	5455	Installed new float switch on k/o system
08-Mar-02	Off	17974.6	97	137	1416	88.1	0	NA	NA	NA	NA	NA	NA	40	2.1	5475	Off for cycling
12-Mar-02	Restart	17974.6	0	146	1416	838.1	0	NA	NA	NA	NA	NA	NA	40	2.1	5475	
21-Mar-02	On	18183.5	97	143	1408	55.6	0	23	ND<1.6	ND<1.4	ND<2.4	ND<1.6	23.0	23	1.3	5486	
27-Mar-02	Restart	18183.5	0	147	1416	548.4	0	NA	NA	NA	NA	NA	NA	23	0.0	5486	Restarted unit; unit off for cycling
04-Apr-02	On	18375.6	100	143	1419	40.1	0	NA	NA	NA	NA	NA	NA	34	1.9	5502	
09-Apr-02	Restart	18375.6	0	145	1415	431.4	0	NA	NA	NA	NA	NA	NA	34	0.0	5502	Restarted unit; unit off for cycling
16-Apr-02	On	18542.3	99	142	1418	28.0	0	44	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	44	2.4	5519	Shut unit off for cycling
24-Apr-02	Restart	18542.4	0	143	1460	76.0	0	NA	NA	NA	NA	NA	NA	44	2.4	5519	Restarted unit
01-May-02	On	18700.4	94	142	1418	42.7	0	NA	NA	NA	NA	NA	NA	42	2.3	5534	Shut unit off for cycling; removed motor for repairs.

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ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm)	Combus. Temp. (Deg F)	Inlet VOC Conc. (PID-ppmv)	Exhaust VOC Conc. (PID-ppmv)	VFH Conc.	Inlet Benzene Conc. (lab-ppmv)	MTBE Conc.	VFH Conc.	Exhaust Benzene Conc. (lab-ppmv)	MTBE Conc.	Estimated VFH Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
10-Jul-02	Off	18700.5	0	142	1469	1158.0	0	NA	NA	NA	NA	NA	NA	42	2.3	5534	Down on arrival. Restarted -rewired motor.
16-Jul-02	On	18843.6	99	139	1412	74.5	0	41.0	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	41	2.2	5547	
23-Jul-02	On	19011.3	100	138	1413	65.2	0	NA	NA	NA	NA	NA	NA	40	2.1	5562	Shut unit off for cycling
01-Aug-02	Off	19011.4	0	139	NA	94.1	7.3	NA	NA	NA	NA	NA	NA	40	2.1	5562	
07-Aug-02	On	19155.5	100	136	1421	79.8	12.6	NA	NA	NA	NA	NA	NA	39	2.1	5574	
14-Aug-02	Off	19295.2	83	136	1415	51.6	10.9	NA	NA	NA	NA	NA	NA	37	1.9	5586	Unit off due to gw sampling
25-Sep-02	Restart	19320	2	141	NA	23.1	0	NA	NA	NA	NA	NA	NA	37	1.9	5588	
3-Oct-02	Off	19512.1	100	143	1417	41.6	7.5	NA	NA	NA	NA	NA	NA	36	1.9	5603	Sparge motor removed
9-Oct-02	Restart	19512.7	0	141	NA	142.0	16.6	NA	NA	NA	NA	NA	NA	36	2.0	5603	
16-Oct-02	On	19679.8	99	142	1418	122.0	29.6	NA	NA	NA	NA	NA	NA	34	1.9	5616	
23-Oct-02	Off	19846.9	99	141	1412	47.9	2.3	33	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	33	1.8	5628	
30-Oct-02	Restart	19847.1	0	143	1431	85.2	12.4	NA	NA	NA	NA	NA	NA	33	1.8	5629	Flame out on arrival
6-Nov-02	Restart	20003.2	93	142	1426	116.0	18.3	NA	NA	NA	NA	NA	NA	35	1.9	5641	Flame out on arrival
13-Nov-02	Restart	20042.7	24	140	1431	NA	NA	NA	NA	NA	NA	NA	NA	35	1.9	5644	Flame out on arrival
14-Nov-02	Restart	20045.3	11	141	1435	NA	NA	NA	NA	NA	NA	NA	NA	35	1.9	5644	Flame out on arrival
21-Nov-02	Restart	20137.0	55	136	1424	77.8	11.1	36	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	36	1.9	5652	Flame out on arrival
27-Nov-02	Restart	20182.0	31	130	1413	82.6	0.6	NA	NA	NA	NA	NA	NA	34	1.8	5655	K/O transfer pump problems
4-Dec-02	Restart	20232.0	30	133	1415	81.3	10.9	NA	NA	NA	NA	NA	NA	32	1.6	5658	K/O transfer pump failure
11-Dec-02	Restart	20266.0	20	125	1419	76.8	4.6	NA	NA	NA	NA	NA	NA	31	1.6	5660	K/O system leaking, pump to be replaced
18-Dec-02	Restart	20324.7	35	117	1217	68.9	16.9	28	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	28	1.3	5664	Flame out on arrival. Combus temp. during warm-up
22-Dec-02	Restart	20356.2	33	117	1464	71.1	21.0	NA	NA	NA	NA	NA	NA	30	1.3	5665	Flame out on arrival
27-Dec-02	Restart	20391.5	29	121	1416	52.6	6.8	NA	NA	NA	NA	NA	NA	32	1.4	5668	
02-Jan-03	Restart	20423.0	22	123	1453	78.6	19.3	NA	NA	NA	NA	NA	NA	34	1.6	5670	
08-Jan-03	Restart	20469.7	32	129	1433	55.8	12.3	NA	NA	NA	NA	NA	NA	37	1.7	5673	
15-Jan-03	Restart	20513.2	26	136	1420	67.2	16.3	NA	NA	NA	NA	NA	NA	39	1.9	5677	
20-Jan-03	Off	20513.2	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	0.0	5677	Shut system off for groundwater sampling
22-Jan-03	Restart	20559.9	97	143	1412	170	6.4	42	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	42	2.3	5681	
29-Jan-03	Restart	20561.8	1	143	1421	136	14.2	NA	NA	NA	NA	NA	NA	43	2.3	5681	
05-Feb-03	On	20730.5	100	140	1417	219	15.5	NA	NA	NA	NA	NA	NA	92	5.0	5717	
12-Feb-03	On	20893.0	97	139	1419	158	3.6	NA	NA	NA	NA	NA	NA	140	7.5	5767	Turned on sparge point BC-4
19-Feb-03	Restart	20893.8	0.5	130	1474	912	12.7	140	1.8	1.7	ND<2.4	ND<1.6	ND<1.4	140	7.5	5768	System flame out at arrival; GW sampling
26-Feb-03	Restart	20976.8	49.4	134	1391	694	37.9	NA	NA	NA	NA	NA	NA	117	5.8	5788	System flame out at arrival
06-Mar-03	On	21144.8	87.5	139	1418	136	15.4	NA	NA	NA	NA	NA	NA	70	3.6	5813	
12-Mar-03	On	21312.2	100	140	1414	61.9	19.6	24	ND<1.6	ND<1.4	2.8	ND<1.6	ND<1.4	24	1.3	5822	
20-Mar-03	On	21465.0	80	134	1415	820	48.9 *	NA	NA	NA	NA	NA	NA	21	1.1	5829	
26-Mar-03	On	21610.4	100	137	1419	26.9	19.9	NA	NA	NA	NA	NA	NA	18	0.9	5835	
02-Apr-03	On	21779.3	100	134	1415	68.3	10.3	NA	NA	NA	NA	NA	NA	15	0.8	5840	
09-Apr-03	On	21950.4	100	128	1415	32	77.6	NA	NA	NA	NA	NA	NA	11	0.6	5844	
17-Apr-03	On	22138.4	98	129	1418	29.6	44.3	NA	NA	NA	NA	NA	NA	8	0.4	5847	
23-Apr-03	On	22280.3	99	129	1412	690	76.3	4.8	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	4.8	0.2	5849	
30-Apr-03	On	22448.0	100	136	1418	177	31.0	NA	NA	NA	NA	NA	NA	5.1	0.3	5850	
07-May-03	Restart	22517.3	41	135	1429	203	28.3	NA	NA	NA	NA	NA	NA	5.3	0.3	5851	System flame out at arrival - restarted system
15-May-03	On	22709.1	100	134	1416	23.3	29.3 *	NA	NA	NA	NA	NA	NA	5.7	0.3	5854	
20-May-03	On	22830.7	100	132	1412	30.2	52 *	NA	NA	NA	NA	NA	NA	5.9	0.3	5855	
27-May-03	Off	22953.1	73	33	77	NA	NA	NA	NA	NA	NA	NA	NA	6.2	0.3	5857	System off at arrival - restart failed
04-Jun-03	Off	22953.1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	6.2	0.0	5857	System under repairs
11-Jun-03	Off	22953.1	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	6.2	0.0	5857	System under repairs - flame rod & housing
18-Jun-03	On	22974.5	13	167	1450	>4,000	>4,000 *	6.2	ND<1.6	ND<1.4	ND<2.4	ND<0.059	ND<1.4	6.2	0.4	5857	
25-Jun-03	On	23140.7	99	167	1452	>4,000	48	NA	NA	NA	NA	NA	NA	6.3	0.4	5860	
02-Jul-03	On	23312.3	100	168	1448	>4,000	46	NA	NA	NA	NA	NA	NA	6.5	0.4	5863	
10-Jul-03	On	23494.0	95	166	1452	3.6	0	NA	NA	NA	NA	NA	NA	6.6	0.4	5866	
16-Jul-03	On	23640.0	100	165	1450	0	0	NA	NA	NA	NA	NA	NA	6.7	0.4	5869	Installed fire extinguisher on bracket & warning signs
25-Jul-03	On	23850.9	98	166	1449	0	0	NA	NA	NA	NA	NA	NA	6.9	0.4	5872	

TABLE 1
SVE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm)	Combus. Temp. (Deg F)	Inlet VOC Conc. (PID-ppmv)	Exhaust VOC Conc. (PID-ppmv)	VFH Conc.	Inlet Benzene Conc. (lab-ppmv)	MTBE Conc.	VFH Conc.	Exhaust Benzene Conc. (lab-ppmv)	MTBE Conc.	Estimated VFH Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
31-Jul-03	On	24001.9	100	168	1448	0	0	7.0	ND<1.6	ND<1.4	4.9	ND<1.6	ND<1.4	7.0	0.5	5875	Greased motor & blower, checked belts
07-Aug-03	On	24168.3	99	165	1450	0.6	0	NA	NA	NA	NA	NA	NA	5.3	0.3	5878	
12-Aug-03	On	24290.3	100	168	1449	0	0	NA	NA	NA	NA	NA	NA	4.0	0.3	5879	
19-Aug-03	On	24450.9	96	168	1452	0	0	ND<2.4	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	2.4	0.2	5880	
26-Aug-03	On	24623.9	100	169	1452	0	0	NA	NA	NA	NA	NA	NA	3.0	0.2	5881	
04-Sep-03	On	24840.5	100	167	1452	0	0	NA	NA	NA	NA	NA	NA	3.7	0.2	5883	
09-Sep-03	On	24960.1	100	169	1449	0	0	NA	NA	NA	NA	NA	NA	4.1	0.3	5885	
16-Sep-03	On	25128.1	100	170	1449	1.0	0	4.6	ND<1.6	ND<1.4	5.9	ND<1.6	ND<1.4	4.6	0.3	5887	
23-Sep-03	On	25297.1	100	168	1452	2.1	0.1	NA	NA	NA	NA	NA	NA	4.2	0.3	5889	
30-Sep-03	On	25463.8	99	169	1451	0	0	NA	NA	NA	NA	NA	NA	3.8	0.2	5890	
07-Oct-03	On	25625.0	96	170	1450	0	0	NA	NA	NA	NA	NA	NA	3.5	0.2	5892	
14-Oct-03	On	25794.0	100	170	1449	13.1	3.5	NA	NA	NA	NA	NA	NA	3.1	0.2	5893	
21-Oct-03	Off	25931.3	82	0	0	NA	NA	NA	NA	NA	NA	NA	NA	2.8	0.0	5893	Unit down - electrical repairs
28-Oct-03	Off	25931.3	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	2.8	0.0	5893	Unit down - greased blower and motor
30-Oct-03	Off	25931.3	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	2.8	0.0	5893	Unit down - electrical repairs
04-Nov-03	Restart	25931.8	0	162	1452	71	2	NA	NA	NA	NA	NA	NA	2.8	0.2	5893	Unit down - blower belt replacement
11-Nov-03	On	26099.9	100	158	1452	0	0	ND<2.4	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	2.4	0.1	5894	
12-Nov-03	On	26120.7	87	155	1452	NA	NA	NA	NA	NA	NA	NA	NA	5.2	0.3	5895	AS unit off at arrival - troubleshoot SVE/AS, restarted SVE/AS
18-Nov-03	On	26265.5	100	155	1449	29	0	25	ND<1.6	ND<1.4	2.9	ND<1.6	ND<1.4	25	1.5	5904	Shut unit down at departure - onsite construction & rebound
02-Dec-03	Restart	26266.4	0.3	170	1452	169	21	NA	NA	NA	NA	NA	NA	25	1.6	5904	Restarted system from rebound
09-Dec-03	On	26431.6	98	168	1451	10	0	NA	NA	NA	NA	NA	NA	27	1.8	5916	
16-Dec-03	Restart	26534.4	61	170	1451	45	0	29	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	29	1.9	5924	
22-Dec-03	On	26675.9	98	166	1449	36	0	NA	NA	NA	NA	NA	NA	12	0.7	5928	Shut system off at departure - onsite construction
27-Jan-04	Off	26675.9	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	12	0.0	5928	Damage to lateral pipe due to construction
03-Feb-04	Restarted	26675.9	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	12	0.0	5928	Lateral pipe repaired; checked all lines to system
05-Feb-04	On	26723.9	100	182	1448	20	0	5.6	ND<1.6	ND<1.4	ND<2.4	ND<1.6	ND<1.4	5.6	0.4	5929	
10-Feb-04	Restarted	26806.9	69	196	1452	0	0	NA	NA	NA	NA	NA	NA	5	0.4	5930	Float switch shutdown; restarted system
03-Mar-04	Off	26806.9	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	0	0.0	5930	System down pending repairs on flow gauge and air sparge blower motor
13-May-04	Restarted	26806.9	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	0	0.0	5930	Repaired AS manifold
18-May-04	On	27026.6	100	167	1477	21	0	ND<2.8	ND<1.6	ND<1.4	ND<2.8	ND<1.6	ND<1.4	2.8	0.2	5932	Conducted rebound test
25-May-04	Off	27149.9	73	0	0	0	0	NA	NA	NA	NA	NA	NA	0.0	0.0	5932	Unit down - tripped blower motor. System under repairs

The SVE system was shut down during the fourth quarter of 2004 and biosparging at the site was implemented in place of soil vapor extraction.

Notes:

SVE	= Soil vapor extraction	PID-ppmv	= Field reading - parts per million by volume (by photoionization or flame ionization detector)
AS	= Air sparge	VFH	= Volatile fuel hydrocarbons by Environmental Protection Agency (EPA) Method 8015/Modified 8015B
cfm	= Cubic feet per minute	lab-ppmv	= Laboratory reported concentration - parts per million by volume
Combus.	= Combustion	lbs	= Pounds
Temp.	= Temperature	Cum.	= Cumulative
Deg F	= Degrees Fahrenheit	NA	= Not applicable/available
VOC	= Volatile organic compound	ND	= Not detected at or above detection limit
Conc.	= Concentration	MTBE	= Methyl tertiary butyl ether by Environmental Protection Agency Method 8021B
Benzene	= Benzene by EPA Method 8020/8021B/410A	K/O	= Knock out
*	= moisture in the lines		

TABLE 2
INDIVIDUAL WELL FIELD CONCENTRATION DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	BC-1 (note1) VOC Conc. (ppmv)	Status Departure (O/C) BC-1	VW-4	VW-5	VW-6	GW-1 VOC Conc. (ppmv)	Status Departure (O/C)	BC-5 (note 2) VOC Conc. (ppmv)	Status Departure (O/C) BC-5	VW-7	VW-8	BC-3 VOC Conc. (ppmv)	Status Departure (O/C)	BC-6 VOC Conc. (ppmv)	Status Departure (O/C)	BC-7 VOC Conc. (ppmv)	Status Departure (O/C)	VW-3 VOC Conc. (ppmv)	Status Departure (O/C)	BC-4 VOC Conc. (ppmv)	Status Departure (O/C)	VW-2 VOC Conc. (ppmv)	Status Departure (O/C)	VW-1 VOC Conc. (ppmv)	Status Departure (O/C)	GW-2 VOC Conc. (ppmv)	Status Departure (O/C)
6-May-97	4750+	Open	--	--	--	2750+	Open	8400	Open	--	--	5475	Open	7400+	Open	4700+	Open	3170+	Open	4180	Open	7335+	Open	2547+	Open	2100+	Open
13-May-97	2441	Open	--	--	--	7000+	Open	2345	Open	--	--	1729	Open	1611	Open	2142	Open	2552	Open	2109	Open	1504	Open	1789	Open	2414	Open
27-May-97	2643	Open	--	--	--	7000+	Open	2210	Open	--	--	1843	Open	1899	Open	1410	Open	2654	Open	2315	Open	1312	Open	1653	Open	2613	Open
3-Jun-97	1856	Open	--	--	--	1660	Open	2202	Open	--	--	1681	Open	2107	Open	2867	Open	1870	Open	1449	Open	1363	Open	1675	Open	NA	Open
10-Jul-97	2110	Open	--	--	--	1321	Open	2633	Open	--	--	1123	Open	2406	Open	3342	Open	1933	Open	1679	Open	1431	Open	1822	Open	1431	Open
15-Jul-97	1873	Open	--	--	--	1021	Open	2741	Open	--	--	1343	Open	2377	Open	3030	Open	1871	Open	1510	Open	1383	Open	1943	Open	1261	Open
22-Jul-97	211	Open	--	--	--	181	Open	510	Open	--	--	621	Open	1243	Open	760	Open	7000+	Open	7000+	Open	3612	Open	7000+	Open	7000+	Open
6-Aug-97	183	Open	--	--	--	211	Open	647	Open	--	--	518	Open	1107	Open	1461	Open	4164	Open	7459+	Open	7459+	Open	3330	Open	2833	Open
12-Aug-97	223	Open	--	--	--	333	Open	510	Open	--	--	423	Open	1096	Open	1223	Open	3944	Open	7500+	Open	7500+	Open	2871	Open	2163	Open
20-Aug-97	181	Open	--	--	--	210	Open	433	Open	--	--	621	Open	1210	Open	1093	Open	2933	Open	7500+	Open	7500+	Open	2433	Open	2061	Open
29-Aug-97	300	Open	--	--	--	436	Open	512	Open	--	--	615	Open	1312	Open	743	Open	7400+	Open	7400+	Open	5611	Open	7400+	Open	7400+	Open
2-Sep-97	340	Open	--	--	--	399	Open	404	Open	--	--	315	Open	1284	Open	437	Open	7455+	Open	7455+	Open	4036	Open	7455+	Open	7455+	Open
9-Sep-97	310	Open	--	--	--	211	Open	621	Open	--	--	418	Open	1155	Open	222	Open	7400+	Open	7400+	Open	3311	Open	7400+	Open	7400+	Open
24-Sep-97	211	Open	--	--	--	181	Open	510	Open	--	--	621	Open	1243	Open	761	Open	7000+	Open	7000+	Open	3612	Open	7000+	Open	7000+	Open
2-Oct-97	183	Open	--	--	--	163	Open	433	Open	--	--	510	Open	1040	Open	531	Open	7000+	Open	7000+	Open	3341	Open	7000+	Open	7000+	Open
10-Oct-97	214	Open	--	--	--	73	Open	45	Open	--	--	280	Open	514	Open	246	Open	2784	Open	6700+	Open	2610	Open	2941	Open	275	Open
24-Oct-97	141	Open	--	--	--	136	Open	511	Open	--	--	481	Open	963	Open	588	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	7000+	Open
30-Oct-97	110	Open	--	--	--	86	Open	489	Open	--	--	371	Open	1010	Open	686	Open	NA	Closed	NA	Closed	4212	25% Open	NA	Closed	7000+	Open
5-Nov-97	502	Open	--	--	--	207	Open	233	Open	--	--	1764	Open	2121	Open	277	Open	NA	Closed	NA	Closed	540	50% Open	2423	50% Open	3150	Open
13-Nov-97	433	Open	--	--	--	181	Open	210	Open	--	--	1643	Open	2410	Open	361	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3430	Open
21-Nov-97	310	Open	--	--	--	173	Open	243	Open	--	--	1891	Open	3420	Open	243	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3631	Open
25-Nov-97	283	Open	--	--	--	436	Open	210	Open	--	--	1653	Open	3861	Open	333	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3364	Open
3-Dec-97	412	Open	--	--	--	163	Open	346	Open	--	--	1910	Open	3361	Open	231	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3533	Open
19-Dec-97	361	Open	--	--	--	511	Open	491	Open	--	--	1683	Open	4263	Open	367	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3769	Open
23-Jan-98	346	Open	--	--	--	381	Open	570	Open	--	--	1891	Open	4233	Open	461	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	2874	Open
30-Jan-98	312	Open	--	--	--	614	Open	322	Open	--	--	1653	Open	4674	Open	310	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	3241	Open
11-Feb-98	7103+	Open	--	--	--	7103+	Open	7103+	Open	--	--	7103+	Open	7103+	Open	7103+	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	7103+	Open
22-Dec-98	0	Closed	--	--	--	6.2	Closed	255.7	Closed	--	--	1257	Open	295.7	Closed	9680	Open	1205	Open	1435	Open	728.9	Closed	2230	Open	263.2	Closed
6-Jan-99	NA	Open	--	--	--	NA	Open	NA	Open	--	--	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open
11-Jan-99	NA	Open	--	--	--	NA	Open	NA	Open	--	--	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
22-Jan-99	NA	Open	--	--	--	NA	Open	NA	Open	--	--	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
27-Jan-99	1.2	Closed	--	--	--	8.7	Closed	209.4	Closed	--	--	1360	Open	308.9	Closed	8790	Open	1560	Open	2010	Open	887.1	Closed	4460	Open	318.7	Closed
2-Feb-99	1.6	Closed	--	--	--	10.4	Closed	189.7	Closed	--	--	1440	Open	264.5	Closed	8544	Open	1780	Open	2230	Open	754.6	Closed	4010	Open	328.1	Closed
8-Feb-99	1.9	Closed	--	--	--	12.6	Closed	208.9	Closed	--	--	1240	Open	200.1	Closed	6450	Open	1238	Open	1870	Open	667.3	Closed	3870	Open	299.4	Closed
16-Feb-99	0.5	Closed	--	--	--	0.4	Closed	9.1	Closed	--	--	3.9	Open	276.5	Closed	21441	Open	866.1	Open	443.3	Open	13.5	Closed	1415	Open	28.1	Closed
26-Feb-99	0	Closed	--	--	--	1.2	Closed	12.6	Closed	--	--	0	Open	256.7	Closed	15400	Open	669.7	Open	338.9	Open	18.4	Closed	1680	Open	36.8	Closed
3-Mar-99	0	Closed	--	--	--	0	Closed	15.8	Closed	--	--	1	Open	384.1	Closed	20110	Open	881.4	Open	404.6	Open	22.1	Closed	1820	Open	40.8	Closed
15-Mar-99	NA	Closed	--	--	--	NA	Closed	NA	Closed	--	--	NA	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
30-Mar-99	2.3	Open	Open	Open	Open	322.6	Open	238.7	Open	Open	Open	47.4	Open	3618	Open	1680	Open	2122	Open	18261	Open	150.9	Open	5091	Open	464.6	Open
13-Apr-99	6.3	Closed	C	C	C	8	Closed	7.8	C	C	C	13.8	Closed	1315	Open	1875	Open	135.6	50% O	99.5	Open	29.7	Closed	207.3	Open	36.1	Closed
20-Apr-99	5.3	Closed	C	C	C	7.2	Closed	10.2	C	C	C	15.9	Closed	1180	Open	1665	Open	147.6	50% O	80.9	Closed	31.4	Closed	253.8	Open	26.7	Closed
27-Apr-99	2.4	Closed	C	C	C	0	Closed	0.7	C	C	C	0	Closed	865.8	Open	1130	Open	125.6	50% O	16.6	Closed	0	Closed	198.3	Open	9	Closed
3-May-99	4.7	Closed	C	C	C	0	Closed	0	C	C	C	0	Closed	667.8	Open	938.1	Open	120.4	50% O	28.7	Closed	0.2	Closed	168.4	Open	8.7	Closed
11-May-99	6.8	Closed	C	C	C	0	Closed	0	C	C	C	0	Closed	742.3	Open	889.9	Open	130.4	50% O	30.9	Closed	0	Closed	154.8	Open	6.2	Closed
17-May-99	5.4	Closed	C	C	C	0	Closed	0	C	C	C	0	Closed	776.3	Open	628.6	Open	110.2	50% O	28.7	Closed	0	Closed	140.9	Open	4.8	Closed
27-May-99	0	Closed	C	C	C	0	Closed	2.3	C	C	C	0	Closed	113.7	Open	325.8	Open	112.1	50% O	32	Closed	3.4	Closed	209.5	Open	4.3	Closed
1-Jun-99	0	Closed	C	C	C	0	Closed	2.1	C	C	C	0	Closed	289.6	Open	628.9	Open	201.4	50% O	48.6	Closed	2.1	Closed	330.1	Open	5.4	Closed
6-Jun-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
1-Sep-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
10-Sep-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
14-Sep-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
21-Sep-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
29-Sep-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
5-Oct-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
12-Oct-99	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Open	NA	Open	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
22-Oct-99	NA	Open	C	C	C	NA	Closed	NA	Open	C	C	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed
29-Oct-99	NA	Open	C	C	C	NA	Closed	NA	Open	C	C	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed

TABLE 2
INDIVIDUAL WELL FIELD CONCENTRATION DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	BC-1 (note1) VOC Conc. (ppmv)	BC-1 Status Departure (O/C)	VW-4 Status Departure (O/C)	VW-5 Status Departure (O/C)	VW-6 Status Departure (O/C)	GW-1 VOC Conc. (ppmv)	GW-1 Status Departure (O/C)	BC-5 (note 2) VOC Conc. (ppmv)	BC-5 Status Departure (O/C)	VW-7 Status Departure (O/C)	VW-8 Status Departure (O/C)	BC-3 VOC Conc. (ppmv)	BC-3 Status Departure (O/C)	BC-6 VOC Conc. (ppmv)	BC-6 Status Departure (O/C)	BC-7 VOC Conc. (ppmv)	BC-7 Status Departure (O/C)	VW-3 VOC Conc. (ppmv)	VW-3 Status Departure (O/C)	BC-4 VOC Conc. (ppmv)	BC-4 Status Departure (O/C)	VW-2 VOC Conc. (ppmv)	VW-2 Status Departure (O/C)	VW-1 VOC Conc. (ppmv)	VW-1 Status Departure (O/C)	GW-2 VOC Conc. (ppmv)	GW-2 Status Departure (O/C)
4-Nov-99	NA	Open	C	C	C	NA	Closed	NA	Open	C	C	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed
5-Nov-99	NA	Open	C	C	C	NA	Closed	NA	Open	C	C	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed
11-Nov-99	NA	Open	C	C	C	NA	Closed	NA	Open	C	C	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed
18-Nov-99	1.4	Open	Open	Open	Open	0	Closed	24.7	Open	Open	Open	0	Closed	35.1	Closed	240	Open	334.6	Open	121.7	Open	13.7	Closed	701.4	Open	62.8	Closed
3-Jan-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
4-Jan-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
6-Jan-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
10-Jan-00	25.1	Open	Open	Open	Open	0	Closed	35.4	Open	Open	Open	0	Closed	15.3	Closed	488.6	Open	628.9	Open	385.1	Open	20.2	Closed	1220	Open	17.5	Closed
17-Jan-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
24-Jan-00	4	Open	Open	Open	Open	4.9	Closed	14.5	Open	Open	Open	2.2	Closed	394.8	Open	228.7	Open	2863	Open	612.8	Open	45.6	Closed	3962	Open	10.6	Closed
26-Jan-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
1-Feb-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
28-Feb-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
2-Mar-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
22-Mar-00	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Closed	NA	Open	NA	Open	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
29-Mar-00	0	Closed	C	C	C	0	Closed	0	Closed	C	C	0	Closed	3.8	Closed	6.2	Closed	112.6	Open	12.6	Open	0	Closed	957.1	Open	0	Closed
2-May-00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8-May-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
11-May-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
12-May-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
17-May-00	3.5	Closed	C	C	C	0	Closed	0	Closed	C	C	0	Closed	17.2	Closed	16.9	Open	23.8	Open	13.9	50% O	0	Closed	115.4	Open	9.6	Closed
24-May-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	50% O	NA	Closed	NA	Open	NA	Closed
25-May-00	0	Closed	C	C	C	0	Closed	0	Closed	C	C	0	Closed	15.4	Closed	13.2	Closed	44.9	50% O	52.6	50% O	0	Closed	185.7	Open	8.4	Closed
31-May-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	50% O	NA	Closed	NA	Open	NA	Closed
3-Jun-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	50% O	NA	Closed	NA	Open	NA	Closed
7-Jun-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	50% O	NA	Closed	NA	Open	NA	Closed
14-Jun-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
5-Jul-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
10-Jul-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
12-Jul-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	50% O	NA	Closed	NA	Open	NA	Closed
19-Jul-00	2.4	Closed	C	C	C	0	Closed	11.4	Closed	C	C	0	Closed	0	Closed	0.7	Closed	31.2	Open	18.7	50% O	2.3	Closed	625.7	Open	0	Closed
28-Jul-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	50% O	NA	Closed	NA	Open	NA	Closed
3-Aug-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	50% O	NA	Closed	NA	Open	NA	Closed
8-Aug-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	50% O	NA	Closed	NA	Open	NA	Closed
16-Aug-00	3.3	Closed	C	C	C	0	Closed	0	Closed	C	C	0	Closed	475.6	Open	0	Closed	60.9	50% O	27.1	Closed	0	Closed	2401	Open	192.6	Open
23-Aug-00	NA	Closed	C	C	C	NA	Closed	NA	Closed	C	C	NA	Closed	NA	Open	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Open
29-Aug-00	NA	50% O	50% O	50% O	50% O	NA	Closed	NA	50% O	50% O	50% O	NA	Closed	NA	Open	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Open
6-Sep-00	NA	50% O	50% O	50% O	50% O	NA	Closed	NA	50% O	50% O	50% O	NA	Closed	NA	Open	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Open
13-Sep-00	NA	50% O	50% O	50% O	50% O	NA	Closed	NA	50% O	50% O	50% O	NA	Closed	NA	Open	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Open
19-Sep-00	NA	50% O	50% O	50% O	50% O	NA	Closed	NA	50% O	50% O	50% O	NA	Closed	NA	Open	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Open
26-Sep-00	0	25% O	25% O	25% O	25% O	0	Closed	0	25% O	25% O	25% O	0	Closed	0	Closed	28.9	Open	9.6	Closed	0	25% O	0	Closed	405.2	Open	0	Closed
3-Oct-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	25% O	NA	Closed	NA	Open	NA	Closed
10-Oct-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	25% O	NA	Closed	NA	Open	NA	Closed
17-Oct-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	25% O	NA	Closed	NA	Open	NA	Closed
24-Oct-00	0.1	25% O	25% O	25% O	25% O	0.6	Closed	0.9	25% O	25% O	25% O	0	Closed	0	Closed	38.2	50% O	12.9	Closed	1.2	25% O	0	Closed	353.2	Open	0	Closed
31-Oct-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	25% O	NA	Closed	NA	Open	NA	Closed
7-Nov-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	25% O	NA	Closed	NA	Open	NA	Closed
15-Nov-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
17-Nov-00	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
18-Nov-00	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
28-Nov-00	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
5-Dec-00	0.4	25% O	25% O	25% O	25% O	0	Closed	0	25% O	25% O	25% O	75.4	Closed	9.2	Closed	0	Closed	103.4	Open	0.8	Closed	0	Closed	465.7	Open	44.7	50 % O
11-Dec-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	50 % O
17-Dec-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	50 % O
27-Dec-00	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	50 % O
8-Jan-01	NA	25%O	25%O	25%O	25%O	NA	Open	NA	25%O	25%O	25%O	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
31-Jan-01	1.0	25%O	25%O	25%O	25%O	NA	Closed	NA	25%O	25%O	25%O	NA	Closed	NA	Closed	NA	Closed	15.3	50% O	NA	Closed	1.3	Closed	192.5	Open	3.9	25% O

TABLE 2
INDIVIDUAL WELL FIELD CONCENTRATION DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	BC-1 (note1) VOC Conc. (ppmv)	BC-1 Status Departure (O/C) BC-1	VW-4	VW-5	VW-6	GW-1 VOC Conc. (ppmv)	GW-1 Status Departure (O/C)	BC-5 (note 2) VOC Conc. (ppmv)	BC-5 Status Departure (O/C) BC-5	VW-7	VW-8	BC-3 VOC Conc. (ppmv)	BC-3 Status Departure (O/C)	BC-6 VOC Conc. (ppmv)	BC-6 Status Departure (O/C)	BC-7 VOC Conc. (ppmv)	BC-7 Status Departure (O/C)	VW-3 VOC Conc. (ppmv)	VW-3 Status Departure (O/C)	BC-4 VOC Conc. (ppmv)	BC-4 Status Departure (O/C)	VW-2 VOC Conc. (ppmv)	VW-2 Status Departure (O/C)	VW-1 VOC Conc. (ppmv)	VW-1 Status Departure (O/C)	GW-2 VOC Conc. (ppmv)	GW-2 Status Departure (O/C)
16-Feb-01	NA	25%O	25%O	25%O	25%O	NA	Closed	NA	25%O	25%O	25%O	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	25% O
21-Feb-01	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	25 % O
25-Feb-01	NA	25% O	25% O	25% O	25% O	NA	Closed	NA	25% O	25% O	25% O	NA	Closed	NA	Closed	NA	Closed	NA	50% O	NA	Closed	NA	Closed	NA	Open	NA	Closed
28-Feb-01	1.9	25% O	25% O	25% O	25% O	0	Closed	2.8	25% O	25% O	25% O	0.2	Closed	0	Closed	0	Closed	89.2	50% O	9.8	Closed	12.2	Closed	146.7	Open	47.9	50 % O
16-Mar-01	NA	25%O	25%O	25%O	25%O	NA	Closed	NA	25%O	25%O	25%O	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
27-Mar-01	NA	25%O	25%O	25%O	25%O	NA	Open	NA	25%O	25%O	25%O	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
30-Mar-01	NA	25%O	25%O	25%O	25%O	0.5	Closed	NA	25%O	25%O	25%O	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	1.6	50% O	32.4	Open	NA	Closed
5-Apr-01	NA	25%O	25%O	25%O	25%O	NA	Open	NA	25%O	25%O	25%O	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
11-Apr-01	NA	25%O	25%O	25%O	25%O	NA	Open	NA	25%O	25%O	25%O	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
13-Apr-01	NA	25%O	25%O	25%O	25%O	NA	Open	NA	25%O	25%O	25%O	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
25-Apr-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
2-May-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
9-May-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	25% O	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
17-May-01	NA	Closed	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
22-May-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
24-May-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
31-May-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
6-Jun-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
12-Jun-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
19-Jun-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
20-Jun-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
27-Jun-01	NA	Open	C	C	C	NA	Closed	NA	C	C	C	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
3-Jul-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Open	NA	Closed
10-Jul-01	NA	Closed	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
17-Jul-01	127	Open	C	C	C	5	Closed	6.2	Closed	Closed	Closed	0	Closed	0	Closed	8.9	Closed	223	Open	210	Open	13	Closed	154.9	Open	0	Closed
24-Jul-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
1-Aug-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
9-Aug-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Open	NA	Closed	NA	Open	NA	Closed
15-Aug-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
23-Aug-01	7.4	Open	C	C	C	0	Closed	0	Closed	Closed	Closed	0	Closed	0	Closed	0	Closed	0	Closed	0	Closed	0	Closed	7.6	Open	0	Closed
4-Sep-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
14-Sep-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
19-Sep-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
24-Sep-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
1-Oct-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
8-Oct-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
15-Oct-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
18-Oct-01	16.4	Open	C	C	C	0	Closed	0	Closed	Closed	Closed	0	Closed	9.2	Closed	15.1	Closed	51.7	Closed	0	Closed	0	Closed	181.2	Open	4.8	Closed
22-Oct-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
19-Nov-01	NA	Open	C	C	C	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Closed
21-Nov-01	28.7	Open	Open	Open	Open	0	Open	10	Open	Open	Open	7.7	Open	0	Open	0	Open	43.6	Open	0	Open	0	Open	137.4	Open	6.2	Open
28-Nov-01	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
5-Dec-01	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
14-Dec-01	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
18-Dec-01	15	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	32	Open	0	Open	0	Open	98	Open	3	Open
26-Dec-01	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
3-Jan-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
8-Jan-02	27.9	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	55.2	Open	0	Open	0	Open	246.9	Open	12.4	Open
23-Jan-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
29-Jan-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
7-Feb-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
12-Feb-02	90.6	Open	Open	Open	Open	0	Closed	87.6	Open	Open	Open	0	Closed	0	Closed	0	Closed	112.3	Open	0	Closed	0	Closed	361.7	Open	81.7	Open
26-Feb-02	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Closed	NA	Closed	NA	Open	NA	Open
8-Mar-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
12-Mar-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
21-Mar-02	11	Closed	Closed	Closed	Closed	0	Open	9.7	Closed	Closed	Closed	0	Open	0	Open	0	Open	68.3	Open	0	Open	0	Open	147.2	Open	6.6	Open
27-Mar-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open

TABLE 2
INDIVIDUAL WELL FIELD CONCENTRATION DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	BC-1 (note1) VOC Conc. (ppmv)	BC-1 Status Departure (O/C)	VW-4 Status Departure (O/C)	VW-5 Status Departure (O/C)	VW-6 Status Departure (O/C)	GW-1 VOC Conc. (ppmv)	GW-1 Status Departure (O/C)	BC-5 (note 2) VOC Conc. (ppmv)	BC-5 Status Departure (O/C)	VW-7 Status Departure (O/C)	VW-8 Status Departure (O/C)	BC-3 VOC Conc. (ppmv)	BC-3 Status Departure (O/C)	BC-6 VOC Conc. (ppmv)	BC-6 Status Departure (O/C)	BC-7 VOC Conc. (ppmv)	BC-7 Status Departure (O/C)	VW-3 VOC Conc. (ppmv)	VW-3 Status Departure (O/C)	BC-4 VOC Conc. (ppmv)	BC-4 Status Departure (O/C)	VW-2 VOC Conc. (ppmv)	VW-2 Status Departure (O/C)	VW-1 VOC Conc. (ppmv)	VW-1 Status Departure (O/C)	GW-2 VOC Conc. (ppmv)	GW-2 Status Departure (O/C)
4-Apr-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
9-Apr-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
16-Apr-02	1.8	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	117.9	Open	23.3	Open	0	Open	206.6	Open	0	Open
24-Apr-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
1-May-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
10-Jul-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
16-Jul-02	29.8	Open	Open	Open	Open	0	Open	31.1	Open	Open	Open	0	Open	0	Open	0	Open	224.5	Open	67.2	Open	0	Open	243.7	Open	65	Open
23-Jul-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
1-Aug-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
7-Aug-02	0.9	Open	Open	Open	Open	0.7	Open	0.8	Open	Open	Open	7	Open	2.6	Open	4	Open	53.3	Open	62.1	Open	14.5	Open	336	Open	1.2	Open
14-Aug-02	52.2	Open	Open	Open	Open	0.1	Open	41.3	Open	Open	Open	0.1	Open	0.1	Open	1.1	Open	124	Open	22.8	Open	34.5	Open	534	Open	155	Open
21-Aug-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
28-Aug-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
4-Sep-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
11-Sep-02	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
25-Sep-02	489	Open	Open	Open	Open	2.2	Open	392	Open	Open	Open	0.5	Open	0.5	Open	0.5	Open	635	Open	1	Open	2.2	Open	140	Open	1095	Open
3-Oct-02	1.5	Open	Open	Open	Open	2.1	Open	2.4	Open	Open	Open	4.5	Open	9	Open	12	Open	171	Open	43.7	Open	20.9	Open	534	Open	35.1	Open
9-Oct-02	261	Open	Open	Open	Open	4.4	Open	175	Open	Open	Open	0.4	Open	1.5	Open	8.3	Open	326	Open	0.8	Open	3.2	Open	53.5	Open	617	Open
16-Oct-02	3.5	Open	Open	Open	Open	0.9	Open	0.9	Open	Open	Open	3.5	Open	4.5	Open	9.5	Open	165	Open	115	Open	31.1	Open	401	Open	105	Open
23-Oct-02	2.9	Open	Open	Open	Open	0.3	Open	0.7	Open	Open	Open	2.9	Open	3.3	Open	6.1	Open	140	Open	83.1	Open	19.2	Open	153	Open	66	Open
30-Oct-02	172	Open	Open	Open	Open	5	Open	135	Open	Open	Open	2	Open	3.4	Open	5.9	Open	225	Open	2.4	Open	4.7	Open	4.1	Open	43.1	Open
6-Nov-02	196	Open	Open	Open	Open	7	Open	128	Open	Open	Open	3.1	Open	3.1	Open	4.6	Open	312	Open	2.3	Open	5.9	Open	8.6	Open	66.6	Open
13-Nov-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
14-Nov-02	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
21-Nov-02	168	Open	Open	Open	Open	9.5	20% O	125	Open	Open	Open	8.4	20% O	4.1	20% O	2.4	20% O	197	Open	12.9	20% O	6.5	20% O	16.2	50% O	322	Open
27-Nov-02	141	Open	Open	Open	Open	9.6	10% O	127	Open	Open	Open	4.6	10% O	5	10% O	8.3	10% O	78.6	Open	6.9	10% O	13.3	10% O	40.3	30% O	501	Open
4-Dec-02	61.9	Open	Open	Open	Open	0.1	Closed	49.2	Open	Open	Open	0.1	Closed	2	Closed	7.3	10% O	70.2	Open	9	10% O	0.1	Closed	313	Open	951	Open
11-Dec-02	136	60% O	60% O	60% O	60% O	6.1	10% O	100	Open	Open	Open	2.2	10% O	2.9	10% O	3.4	10% O	103	60% O	111.9	60% O	22.7	10% O	1155	Open	1128	Open
18-Dec-02	166	Open	Open	Open	Open	0.4	Closed	95.7	Open	Open	Open	0.1	Closed	0.4	10% O	2	10% O	142	Open	0.2	Open	1.1	10% O	71.4	Open	754	Open
22-Dec-02	173.2	Open	Open	Open	Open	1.3	5% O	103.6	Open	Open	Open	1.1	5% O	0.9	10% O	1.8	10% O	163.9	Open	1.1	Open	5.6	10% O	6.6	Open	787	Open
27-Dec-02	NA	Open	Open	Open	Open	NA	Closed	NA	50% O	50% O	50% O	NA	Closed	NA	25% O	NA	25% O	NA	25% O	NA	25% O	NA	25% O	NA	Open	NA	Open
2-Jan-03	1.9	Open	Open	Open	Open	1.0	20% O	116	Open	Open	Open	1.1	20% O	0.7	20% O	2.3	20% O	179.6	20% O	1.0	20% O	4.3	20% O	7.9	Open	803.1	Open
8-Jan-03	102.2	Open	Open	Open	Open	1.3	20% O	85.7	Open	Open	Open	0.2	10% O	2.9	10% O	1.5	10% O	87.0	Open	6.3	10% O	2.3	10% O	43.1	Open	655.0	Open
15-Jan-03	127.0	Open	Open	Open	Open	2.0	Open	94.0	Open	Open	Open	0.1	Open	0.1	Open	0.3	Open	93.3	Open	0.1	Open	0.1	Open	5.8	Open	303.0	Open
20-Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22-Jan-03	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
29-Jan-03	266.0	Open	Open	Open	Open	19.8	10% O	219.0	Open	Open	Open	7.2	10% O	8.9	10% O	10.5	10% O	269.0	Open	6.2	10% O	21.7	10% O	220.0	Open	1225.0	Open
5-Feb-03	894.0	Open	Open	Open	Open	0.1	Open	698	Open	Open	Open	0.4	Open	0.1	Open	115.5	Open	135.0	Open	NA	Open	59.0	Open	711.0	Open	994.0	Open
12-Feb-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19-Feb-03	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
26-Feb-03	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
6-Mar-03	141	Open	Open	Open	Open	2.4	Open	60.3	Open	Open	Open	1.3	Open	2.3	Open	0.9	Open	31.3	Open	0.2	Open	6.6	Open	51.3	Open	710	Open
12-Mar-03	0.1	10% O	10% O	10% O	10% O	13.6	10% O	NA	Open	Open	Open	23.6	10% O	10.1	10% O	27.5	10% O	353	Open	13.8	Open	11.7	10% O	703	Open	2.6	10% O
20-Mar-03	NA	Open	Open	Open	Open	NA	Open	NA	Open	Open	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open	NA	Open
26-Mar-03	0.1	5% O	5% O	5% O	5% O	0.1	5% O	NA	Open	Open	Open	0.1	5% O	0.1	5% O	0.1	5% O	122	Open	45.8	Open	12.3	Open	626	Open	0.1	5% O
2-Apr-03	0.1	5% O	5% O	5% O	5% O	0.1	5% O	0.1	5% O	5% O	5% O	0.1	5% O	0.1	5% O	0.1	5% O	157	Open	69.9	Open	6.5	5% O	710	Open	0.1	5% O
9-Apr-03	6.0	5% O	5% O	5% O	5% O	52.0	5% O	35.2	5% O	5% O	5% O	46.3	5% O	60.0	5% O	18.3	5% O	5.5	Open	4.0	Open	5.5	5% O	5.3	Open	8.5	5% O
17-Apr-03	2.0	5% O	5% O	5% O	5% O	30.1	5% O	16.3	5% O	5% O	5% O	14.8	5% O	24.3	5% O	2.3	5% O	29.4	Open	64.3	Open	19.4	5% O	68.4	Open	4.1	5% O
23-Apr-03	NA	10% O	10% O	10% O	10% O	NA	50% O	NA	10% O	10% O	10% O	NA	10% O	NA	10% O	NA	10% O	NA	Open	NA	Open	NA	10% O	NA	Open	NA	50% O
30-Apr-03	0.1	5% O	5% O	5% O	5% O	0.1	5% O	0.1	5% O	5% O	5% O	7.1	5% O	6.0	5% O	8.2	5% O	102	Open	22.1	50% O	38.9	50% O	425	Open	273	Open
7-May-03	0.1	5% O	5% O	5% O	5% O	0.1	5% O	0.1	5% O	5% O	5% O	5.1	5% O	4.3	5% O	4.0	5% O	68.9	Open	27.3	50% O	46.4	50% O	503	Open	291	Open
15-May-03	0.1	5% O	5% O	5% O	5% O	0.1	5% O	0.1	5% O	5% O	5% O	0.2	5% O	0.1	5% O	2.1	5% O	47.3	Open	12.0	50% O	8.1	50% O	107	Open	20.1	Open
20-May-03	0.1	5% O	5% O	5% O	5% O	0.2	5% O	0.1	5% O	5% O	5% O	2.7	5% O	0.1	5% O	3.2	5% O	52.2	Open	18.4	50% O	9.2	50% O	98.4	Open	3.2	Open
27-May-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
4-Jun-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
11-Jun-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
18-Jun-03	>4,000	50% O	50% O	50% O	50% O	>4,000	50% O	>4,000	50% O	50% O	50% O	>4,000	50% O	>4,000	50% O	121	50% O	>4,000	Open	>4,000	50% O	>4,000	50% O	>4,000	Open	>4,000	Open
25-Jun-03	>4,000	50% O	50% O	50% O	50% O	>4,000	50% O	>4,000	50% O	50% O	50% O	2891	50% O	>4,000	50% O	212	50% O	>4,000	Open	>4,000	50% O	>4,000	50% O	>4,000	Open	>4,000	Open
2-Jul-03	>4,000	50% O	50% O	50% O	50% O	>4,000	50% O	>4,000	50% O	50% O	50% O	2907	50% O	>4,000	50% O	271	50% O	>4,000	Open	>4,000	50% O	>4,000	50% O	>4,000	Open	>4,000	Open
10-Jul-03	0	50% O	50% O	50% O	50% O	0	50% O	0	50% O	50% O	50% O	0.7	50% O	0.6	50% O	1.4	50% O	6.4	Open	1.9	50% O	1.3	50% O	15.1	Open	1.9	Open
16-Jul-03	0	50% O	50% O	50% O	50% O	0	50% O	0	50% O	50% O	50% O	0	50% O	0	50% O	0	50% O	3	Open	0	50% O	0	50% O	6	Open	0	50% O

TABLE 2
INDIVIDUAL WELL FIELD CONCENTRATION DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	BC-1 (note1) VOC Conc. (ppmv)	Status Departure (O/C) BC-1	VW-4	VW-5	VW-6	GW-1 VOC Conc. (ppmv)	Status Departure (O/C)	BC-5 (note 2) VOC Conc. (ppmv)	Status Departure (O/C) BC-5	VW-7	VW-8	BC-3 VOC Conc. (ppmv)	Status Departure (O/C)	BC-6 VOC Conc. (ppmv)	Status Departure (O/C)	BC-7 VOC Conc. (ppmv)	Status Departure (O/C)	VW-3 VOC Conc. (ppmv)	Status Departure (O/C)	BC-4 VOC Conc. (ppmv)	Status Departure (O/C)	VW-2 VOC Conc. (ppmv)	Status Departure (O/C)	VW-1 VOC Conc. (ppmv)	Status Departure (O/C)	GW-2 VOC Conc. (ppmv)	Status Departure (O/C)
25-Jul-03	0	50% O	50% O	50% O	50% O	0	50% O	0	50% O	50% O	50% O	0	50% O	0	50% O	0	50% O	10	Open	0	50% O	0	50% O	4	Open	0	50% O
31-Jul-03	NA	50% O	50% O	50% O	50% O	NA	50% O	NA	50% O	50% O	50% O	NA	50% O	NA	50% O	NA	50% O	9	Open	NA	50% O	NA	50% O	8	Open	NA	50% O
7-Aug-03	0	50% O	50% O	50% O	50% O	0	50% O	0	50% O	50% O	50% O	0	50% O	0	50% O	0	50% O	5	Open	0	50% O	0	50% O	5	Open	0	50% O
12-Aug-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
19-Aug-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
26-Aug-03	0	Open	Open	Open	Open	0	Open	1	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
4-Sep-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
9-Sep-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	4	Open	0	Open	0	Open	2	Open	0	Open
16-Sep-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	2	Open	0	Open	0	Open	2	Open	0	Open
23-Sep-03	1.3	Open	Open	Open	Open	6.1	Open	0.2	Open	Open	Open	2.1	Open	1.3	Open	1.6	Open	2.3	Open	0.8	Open	0.3	Open	0.9	Open	1.2	Open
30-Sep-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
7-Oct-03	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open
14-Oct-03	1.3	Open	Open	Open	Open	1.9	Open	1.5	Open	Open	Open	1.9	Open	3.4	Open	6	Open	25.6	Open	10.9	Open	2	Open	50.3	Open	34.1	Open
21-Oct-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
28-Oct-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
30-Oct-03	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
4-Nov-03	41	Open	Open	Open	Open	0	Closed	22	Open	Open	Open	0	Closed	0	Closed	0	Closed	302	Open	0	Closed	0	Closed	10	Open	118	Open
11-Nov-03	0	Open	Open	Open	Open	0	Closed	0	Open	Open	Open	0	Closed	0	Closed	0	Closed	0	Open	0	Closed	0	Closed	0	Open	0	Open
12-Nov-03	NA	Open	Open	Open	Open	NA	Closed	NA	Open	Open	Open	NA	Open	NA	Open	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Open	NA	Open
18-Nov-03	71	Open	Open	Open	Open	0	Closed	41	Open	Open	Open	0	Open	0	Open	0	Closed	0	Closed	0	Closed	0	Closed	5	Open	38	Open
2-Dec-03	692	Open	Open	Open	Open	0	Closed	402	Open	Open	Open	0	Closed	0	Closed	0	Closed	11	Open	0	50% Open	0	50% Open	38	Open	1325	Open
9-Dec-03	40	Open	Open	Open	Open	0	Closed	15	Open	Open	Open	0	Closed	0	Closed	0	Closed	0	Open	0	50% Open	0	50% Open	0	Open	7	Open
16-Dec-03	97	Open	Open	Open	Open	0	Closed	33	Open	Open	Open	0	Open	0	Open	0	Closed	0	Closed	0	Closed	0	Closed	0	Closed	192	Open
22-Dec-03	55	Open	Open	Open	Open	0	Closed	11	Open	Open	Open	0	Open	0	Open	0	Closed	0	Closed	0	Closed	0	Closed	0	Closed	62	Open
27-Jan-04	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
3-Feb-04	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
5-Feb-04	60	Open	Open	Open	Open	4	Open	38	Open	Open	Open	6	Open	1	Closed	1	Closed	0	Closed	2	Closed	0	Closed	10	Open	15	Open
10-Feb-04	0	Open	Open	Open	Open	0	Open	0	Open	Open	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	0	Open	1	Open
3-Mar-04	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
13-May-04	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed
18-May-04	55	Open	Open	Open	Open	68	Open	40	Open	Open	Open	6	Open	1	Closed	1	Closed	0	Closed	16	Open	0	Closed	18	Open	61	Open
25-May-04	NA	Closed	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed	NA	Closed

Notes:
VOC = Volatile organic compound
Conc. = Concentration
ppmv = Parts per million by volume
O/C = Open/closed
NA = Not available/applicable

As of March 30, 1999, wells VW-4, VW-5, VW-6 and BC-1 are connected to the influent manifold labeled BC-1.
As of March 30, 1999, wells VW-7, VW-8, and BC-5 are connected to the influent manifold labeled BC-5.

TABLE 3
SPARGE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	System Status	Sparge Point BC-1* (cfm)	BC-3 (cfm)	BC-4 (cfm)	BC-5** (cfm)	BC-6 (cfm)	BC-7 (cfm)	Comments
29-Mar-96	On	NA	NA	NA	NA	NA	NA	Sparging initiated
30-Mar-99	On	Closed	Closed	Open	Closed	Open	Open	
13-Apr-99	On	Closed	Closed	0.8	Closed	1.6	1.6	
3-May-99	On	Closed	Closed	Open	Closed	Open	Open	
27-May-99	On	Closed	Closed	Open	Closed	Open	Open	Restart Sparge and SVE systems
10-Sep-99	On	Closed	Closed	Open	Closed	Open	Open	Restart Sparge and SVE systems
22-Oct-99	On	1.0	Closed	Closed	1.0	Closed	Closed	
22-Oct-99	On	1.0	Closed	Closed	1.0	Closed	Closed	
29-Oct-99	On	1.0	Closed	Closed	1.0	Closed	Closed	3 hrs on/1 hr off
5-Nov-99	On	3.5	Closed	Closed	3.5	Closed	Closed	Repaired sparge. 3 hrs on/1 hr off
11-Nov-99	Off	NA	NA	NA	NA	NA	NA	
18-Nov-99	Off	NA	NA	NA	NA	NA	NA	
23-Nov-99	Off	NA	NA	NA	NA	NA	NA	
3-Jan-00	Off	NA	NA	NA	NA	NA	NA	Sparge off pending drop in SVE influent concentrations
04-Jan-00	Off	NA	NA	NA	NA	NA	NA	
06-Jan-00	On	2.0	Closed	Closed	1.0	Closed	Closed	Restart spare - 3hrs on/1 hr off
17-Jan-00	On	1.5	Closed	Closed	1.5	Closed	Closed	
24-Jan-00	On	2.0	Closed	Closed	1.0	Closed	Closed	
3-Feb-00	On	2.0	Closed	Closed	2.0	Closed	Closed	
15-Feb-00	On	2.0	Closed	Closed	2.0	Closed	Closed	
21-Feb-00	On	2.0	Closed	Closed	2.0	Closed	Closed	Sparge shut off for gw sampling
2-Mar-00	On	2.0	Closed	Closed	2.0	Closed	Closed	Restart sparge and SVE
22-Mar-00	On	2.0	Closed	Closed	2.0	Closed	Closed	3 hours on/1 hour off
29-Mar-00	On	2.0	Closed	Closed	1.0	Closed	Closed	
6-Apr-00	Off	NA	NA	NA	NA	NA	NA	
12-Apr-00	On	3.0	Closed	Closed	3.0	Closed	Closed	
20-Apr-00	Off	NA	NA	NA	NA	NA	NA	
27-Apr-00	Off	NA	NA	NA	NA	NA	NA	
2-May-00	Off	NA	NA	NA	NA	NA	NA	
8-May-00	Off	NA	NA	NA	NA	NA	NA	
11-May-00	Off	NA	NA	NA	NA	NA	NA	
12-May-00	Off	NA	NA	NA	NA	NA	NA	
17-May-00	Off	NA	NA	NA	NA	NA	NA	
24-May-00	Off	NA	NA	NA	NA	NA	NA	
25-May-00	Off	NA	NA	NA	NA	NA	NA	
31-May-00	Off	NA	NA	NA	NA	NA	NA	
3-Jun-00	Off	NA	NA	NA	NA	NA	NA	
7-Jun-00	Off	NA	NA	NA	NA	NA	NA	
14-Jun-00	Off	NA	NA	NA	NA	NA	NA	
5-Jul-00	Off	NA	NA	NA	NA	NA	NA	
10-Jul-00	On	9.0	Closed	Closed	9.0	Closed	Closed	Install new AS compressor
12-Jul-00	On	9.0	Closed	Closed	9.0	Closed	9.0	Repaired switch on AS timer
19-Jul-00	Off	NA	NA	NA	NA	NA	NA	AS needs new love joy coupling
28-Jul-00	Off	NA	NA	NA	NA	NA	NA	
3-Aug-00	Off	NA	NA	NA	NA	NA	NA	
8-Aug-00	Off	NA	NA	NA	NA	NA	NA	
16-Aug-00	Off	NA	NA	NA	NA	NA	NA	
23-Aug-00	Off	NA	NA	NA	NA	NA	NA	
29-Aug-00	On	9.0+	Closed	4.0	9.0+	Closed	Closed	Install love joy coupling and flange
6-Sep-00	On	10.0	Closed	Closed	8.0	Closed	Closed	
13-Sep-00	On	7.8	Closed	4.5	7.8	Closed	Closed	BC-4 Flow meter is leaking
19-Sep-00	On	8.0+	Closed	8.0+	8.0+	Closed	Closed	
26-Sep-00	On	8.0+	Closed	6.0	8.0+	Closed	Closed	Repair manifold
3-Oct-00	On	8.0+	Closed	6.0	8.0+	Closed	Closed	
10-Oct-00	On	8.0	Closed	8.0	6.0	Closed	Closed	
17-Oct-00	On	7.5	Closed	8.0+	6.0	Closed	Closed	
24-Oct-00	On	8+	Closed	4.5	8.0	Closed	Closed	
31-Oct-00	On	8+	Closed	3.5	8.0	Closed	Closed	

TABLE 3
SPARGE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	System Status	Sparge Point BC-1* (cfm)	BC-3 (cfm)	BC-4 (cfm)	BC-5** (cfm)	BC-6 (cfm)	BC-7 (cfm)	Comments
7-Nov-00	On	8+	Closed	2.5	7.5	Closed	Closed	
15-Nov-00	Off	NA	Closed	NA	NA	Closed	Closed	Compressor failure
17-Nov-00	Off	NA	Closed	NA	NA	Closed	Closed	
18-Nov-00	Off	NA	Closed	NA	NA	Closed	Closed	Remove failed components
28-Nov-00	Off	NA	Closed	NA	NA	Closed	Closed	
5-Dec-00	On	8+	Closed	Closed	8+	Closed	Closed	Install cooling fan
11-Dec-00	On	8+	Closed	Closed	8+	Closed	Closed	
17-Dec-00	On	8+	Closed	Closed	8+	Closed	Closed	
27-Dec-00	On	8+	Closed	Closed	8+	Closed	Closed	
8-Jan-01	On	8+	Closed	Closed	8+	Closed	Closed	pressure 8 psi
10-Jan-01	Off	NA	NA	NA	NA	NA	NA	SVE system off
29-Jan-01	On	8+	Closed	Closed	8+	Closed	Closed	pressure 12 psi
31-Jan-01	On	8+	Closed	Closed	8+	Closed	Closed	pressure 7 psi
8-Feb-01	Off	NA	NA	NA	NA	NA	NA	Off lovejoy coupling failure
21-Feb-01	Off	NA	Closed	Closed	NA	Closed	Closed	
25-Feb-01	On	8+	Closed	Closed	8+	Closed	Closed	Install love joy coupling & filter/10 psi
28-Feb-01	On	8+	Closed	Closed	8+	Closed	Closed	pressure 7 psi
6-Mar-01	On	8+	Closed	Closed	8+	Closed	Closed	pressure 10 psi
8-Mar-01	Off	NA	NA	NA	NA	NA	NA	SVE system off
16-Mar-01	Off	NA	Closed	Closed	NA	Closed	Closed	
27-Mar-01	Off	NA	Closed	Closed	NA	Closed	Closed	
30-Mar-01	Off	NA	Closed	Closed	NA	Closed	Closed	
5-Apr-01	On	Open	Closed	Closed	Open	Closed	Closed	
11-Apr-01	On	8+	Closed	Closed	8+	Closed	Closed	
13-Apr-01	Off	NA	NA	NA	NA	NA	NA	
25-Apr-01	Off	NA	NA	NA	NA	NA	NA	
2-May-01	Off	NA	NA	NA	NA	NA	NA	
9-May-01	Off	NA	NA	NA	NA	NA	NA	
17-May-01	Off	NA	NA	NA	NA	NA	NA	
22-May-01	On	8+	Closed	Closed	Closed	Closed	Closed	Sparge system repaired/restarted
24-May-01	On	9+	Closed	Closed	Closed	Closed	Closed	
31-May-01	On	NA	Closed	Closed	Closed	Closed	Closed	
6-Jun-01	On	9+	Closed	Closed	Closed	Closed	Closed	
12-Jun-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
19-Jun-01	On	8+	Closed	Closed	Closed	Closed	Closed	
20-Jun-01	On	8+	Closed	Closed	Closed	Closed	Closed	
27-Jun-01	On	8+	Closed	Closed	Closed	Closed	Closed	
3-Jul-01	On	8+	Closed	Closed	Closed	Closed	Closed	pressure 12 psi, BC-1 only
10-Jul-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
17-Jul-01	On	8+	Closed	Closed	Closed	Closed	Closed	pressure 11 psi, BC-1 only
24-Jul-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
1-Aug-01	On	8+	Closed	Closed	Closed	Closed	Closed	pressure 11 psi, BC-1 only
9-Aug-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
15-Aug-01	On	11.0	Closed	Closed	Closed	Closed	Closed	pressure 11 psi, BC-1 only
23-Aug-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
4-Sep-01	On	10.0	Closed	Closed	Closed	Closed	Closed	pressure 10 psi, BC-1 only
14-Sep-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
19-Sep-01	On	8+	Closed	Closed	Closed	Closed	Closed	pressure 10 psi, BC-1 only
24-Sep-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
1-Oct-01	On	8+	Closed	Closed	Closed	Closed	Closed	
8-Oct-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
15-Oct-01	On	6.0	5.0	5.0	4.0	4.0	2.0	pressure 10 psi
18-Oct-01	On	8.0	0.0	0.0	0.0	4.8	5.3	pressure 8 psi
22-Oct-01	Off	NA	NA	NA	NA	NA	NA	
19-Nov-01	On	2.0	2.0	2.0	2.0	2.0	2.0	
21-Nov-01	On	8.0	4.0	Closed	1.0	4.5	5.0	pressure 9 psi
28-Nov-01	Off	NA	Closed	Closed	Closed	Closed	Closed	
5-Dec-01	On	6.0	6.0	Closed	1.0	4.0	4.0	
14-Dec-01	On	NA	Open	Closed	Open	Open	Open	
18-Dec-01	Off	NA	Closed	Closed	Closed	Closed	Closed	

TABLE 3
SPARGE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	System Status	Sparge Point BC-1* (cfm)	BC-3 (cfm)	BC-4 (cfm)	BC-5** (cfm)	BC-6 (cfm)	BC-7 (cfm)	Comments
26-Dec-01	On	6.0	2.0	Closed	2.0	3.0	6.0	pressure 12 psi
3-Jan-02	On	NA	NA	Closed	NA	NA	NA	
8-Jan-02	On	7.0	2.0	Closed	2.0	4.0	7.0	pressure 10 psi
23-Jan-02	On	NA	NA	Closed	NA	NA	NA	
29-Jan-02	Off	NA	NA	Closed	NA	NA	NA	Sparge off pending repairs
7-Feb-02	Off	NA	NA	Closed	NA	NA	NA	
12-Feb-02	Off	NA	NA	Closed	NA	NA	NA	
26-Feb-02	On	5.0	3.5	Closed	2.0	5.0	4.5	compressor repaired/pressure 10 psi
8-Mar-02	Off	NA	NA	Closed	NA	NA	NA	
12-Mar-02	On	5.0	3.0	Closed	3.0	4.0	3.0	pressure 11 psi
21-Mar-02	On	NA	NA	NA	NA	NA	NA	
27-Mar-02	On	5.0	3.0	Closed	2.0	5.0	4.0	pressure 10 psi
4-Apr-02	Off	NA	NA	Closed	NA	NA	NA	
9-Apr-02	On	5.0	3.0	Closed	2.0	4.0	4.0	pressure 10 psi
16-Apr-02	Off	4.5	4.0	Closed	1.0	5.0	3.5	
24-Apr-02	On	NA	5.0	Closed	1.0	4.2	5.0	pressure 11 psi
1-May-02	Off	NA	NA	Closed	NA	NA	NA	
10-Jul-02	On	3.5	5.0	Closed	1.0	3.0	2.5	pressure 12 psi
16-Jul-02	On	5.0	3.0	Closed	>1.0	9.0	5.0	pressure 10 psi
23-Jul-02	Off	NA	NA	Closed	NA	NA	NA	
1-Aug-02	On	8.0	2.2	1.1	2.2	2.1	4.6	pressure 22 psi
7-Aug-02	On	7.8	NA	Closed	NA	1.9	NA	pressure 6 psi
14-Aug-02	On	NA	NA	NA	NA	4.5	5.0	no reading on BC-1,3,5. pressure 8.2 psi
21-Aug-02	Off	NA	NA	Closed	NA	NA	NA	system down
28-Aug-02	Off	NA	NA	Closed	NA	NA	NA	
4-Sep-02	Off	NA	NA	Closed	NA	NA	NA	
11-Sep-02	Off	NA	NA	Closed	NA	NA	NA	
25-Sep-02	Off	NA	NA	Closed	NA	NA	NA	motor needs to be replaced
3-Oct-02	Off	NA	NA	Closed	NA	NA	NA	motor needs to be replaced
9-Oct-02	On	2.1	2.0	Closed	2.5	2.5	2.5	
16-Oct-02	On	2.6	1.8	Closed	1.8	4.0	3.5	
23-Oct-02	Off	2.0	2.0	Closed	2.0	2.8	2.0	
30-Oct-02	On	2.5	2.3	Closed	2.1	2.4	2.3	
6-Nov-02	On	3.0	2.5	Closed	2.3	2.5	2.5	
13-Nov-02	On	NA	NA	NA	NA	NA	NA	pump on - no pressure
3-Oct-02	Off	NA	NA	Closed	NA	NA	NA	
9-Oct-02	On	2.1	2.0	Closed	2.5	2.5	2.5	pressure 5 psi
16-Oct-02	On	2.6	1.8	Closed	1.8	4.0	3.5	pressure 7 psi
23-Oct-02	On	2.0	2.0	Closed	2.0	2.8	2.0	pressure 6 psi
30-Oct-02	On	2.5	2.3	Closed	2.1	2.4	2.3	pressure 5 psi
6-Nov-02	On	3.0	2.5	Closed	2.3	2.5	2.5	pressure 5 psi
13-Nov-02	On	NA	NA	NA	NA	NA	NA	pressure 2 psi
14-Nov-02	Off	NA	NA	NA	NA	NA	NA	sparge compressor failure
21-Nov-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
27-Nov-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
4-Dec-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
11-Dec-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
18-Dec-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
22-Dec-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
27-Dec-02	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
2-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
8-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
15-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
20-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
22-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
29-Jan-03	Off	NA	NA	NA	NA	NA	NA	off pending compressor replacement
5-Feb-03	On	3.8	4.8	Closed	NA	4.0	3.4	pressure 11 psi
12-Feb-03	On	3.2	5.0	1.5	0.9	4.6	3.0	pressure 10 psi
19-Feb-03	On	5.0	4.5	5.0	<1.0	5.0	5.0	pressure 9 psi
26-Feb-03	On	5.0	4.0	4.5	<1.0	4.8	5.6	pressure 11 psi

TABLE 3
SPARGE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 6176
1001 EAST AMAR ROAD
WEST COVINA, CALIFORNIA

Date Monitored	System Status	Sparge Point BC-1* (cfm)	BC-3 (cfm)	BC-4 (cfm)	BC-5** (cfm)	BC-6 (cfm)	BC-7 (cfm)	Comments
6-Mar-03	On	3.9	3.9	5.3	0.1	5.1	4.6	pressure 9.0 psi
12-Mar-03	On	3.9	2.8	5.0	0.8	4.9	4.5	pressure 8.5 psi
20-Mar-03	On	3.4	4.9	3.2	<1.0	4.4	4.2	pressure 9.0 psi
26-Mar-03	On	3.5	2.5	4.3	<1.0	4.2	3.6	pressure 9.0 psi
2-Apr-03	On	3.6	3.0	3.2	<1.0	5.0	4.1	pressure 9.0 psi
9-Apr-03	On	3.5	3.0	3.0	<1.0	5.5	4.0	pressure 8.0 psi
17-Apr-03	On	3.6	>2.0	3.2	>1.0	4.0	4.0	pressure 8.0 psi
23-Apr-03	On	3.6	2.0	3.2	0.3	3.6	4.0	pressure 8.0 psi
30-Apr-03	On	3.6	3.0	3.2	0.9	3.6	4.0	pressure 8.0 psi
7-May-03	On	3.5	2.9	3.0	0.8	3.5	4.0	pressure 8.0 psi
15-May-03	Off	NA	NA	NA	NA	NA	NA	Under repair
20-May-03	Off	NA	NA	NA	NA	NA	NA	Under repair - compressor replacement
27-May-03	Off	NA	NA	NA	NA	NA	NA	
4-Jun-03	Off	NA	NA	NA	NA	NA	NA	
11-Jun-03	Off	NA	NA	NA	NA	NA	NA	
18-Jun-03	Off	NA	NA	NA	NA	NA	NA	
25-Jun-03	Off	NA	NA	NA	NA	NA	NA	
2-Jul-03	Off	NA	NA	NA	NA	NA	NA	
10-Jul-03	Off	NA	NA	NA	NA	NA	NA	
16-Jul-03	Off	NA	NA	NA	NA	NA	NA	
25-Jul-03	Off	NA	NA	NA	NA	NA	NA	
31-Jul-03	Off	NA	NA	NA	NA	NA	NA	
7-Aug-03	Off	NA	NA	NA	NA	NA	NA	
12-Aug-03	Off	NA	NA	NA	NA	NA	NA	
19-Aug-03	Off	NA	NA	NA	NA	NA	NA	
26-Aug-03	Off	NA	NA	NA	NA	NA	NA	
4-Sep-03	Off	NA	NA	NA	NA	NA	NA	
9-Sep-03	Off	NA	NA	NA	NA	NA	NA	
16-Sep-03	Off	NA	NA	NA	NA	NA	NA	
23-Sep-03	Off	NA	NA	NA	NA	NA	NA	
30-Sep-03	Off	NA	NA	NA	NA	NA	NA	
7-Oct-03	Off	NA	NA	NA	NA	NA	NA	
14-Oct-03	Off	NA	NA	NA	NA	NA	NA	
21-Oct-03	Off	NA	NA	NA	NA	NA	NA	
28-Oct-03	Off	NA	NA	NA	NA	NA	NA	
30-Oct-03	Off	NA	NA	NA	NA	NA	NA	
4-Nov-03	Off	NA	NA	NA	NA	NA	NA	
11-Nov-03	Off	NA	NA	NA	NA	NA	NA	
12-Nov-03	On	0.0	4.0	4.0	0.0	5.0	0.0	
18-Nov-03	On	0.0	8.0	NA	0.0	3.0	0.0	
2-Dec-03	On	0.0	6.0	NA	6.2	3.4	0.0	
9-Dec-03	On	0.0	7.0	NA	1.0	2.5	0.0	
16-Dec-03	On	0.0	7.0	NA	1.0	2.5	0.0	
22-Dec-03	On	0.0	7.0	NA	2.0	3.0	0.0	
27-Jan-04	Off	NA	NA	NA	NA	NA	NA	
3-Feb-04	Off	NA	NA	NA	NA	NA	NA	
5-Feb-04	On	5.0	5.0	4.0	1.0	NA	8.0	
10-Feb-04	On	5.0	5.0	4.0	1.0	NA	8.0	
3-Mar-04	Off	NA	NA	NA	NA	NA	NA	Under repair
13-May-04	Restart	NA	NA	NA	NA	NA	NA	Repaired AS manifold
18-May-04	On	4	3	2	<1	>8	7	
25-May-04	Off	NA	NA	NA	NA	NA	NA	System down

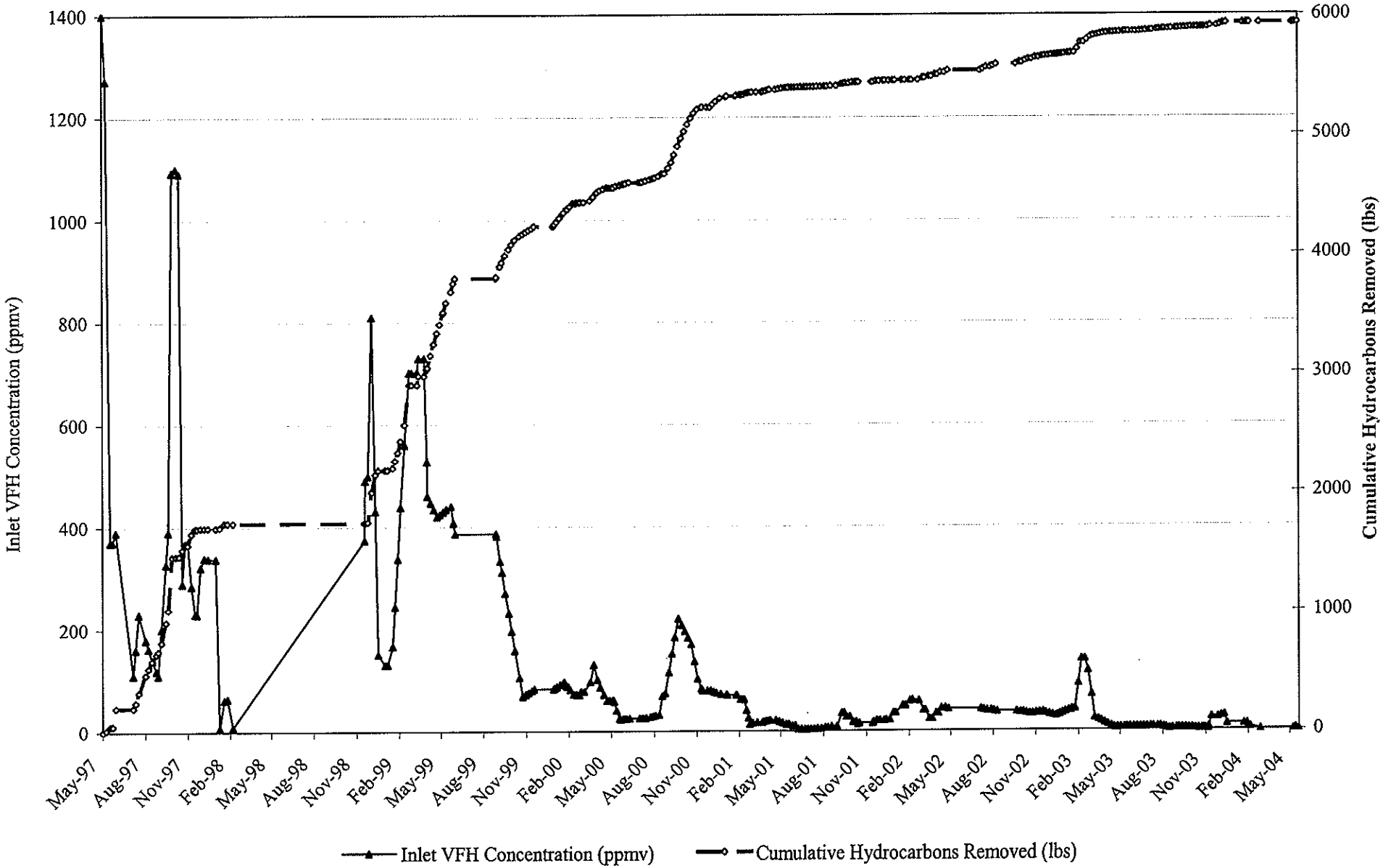
Notes:
NA = Not applicable/available
cfm = Cubic feet per minute
psi = Pounds per square inch
* As of March 30, 1999, wells VW-4, VW-5, VW-6 are connected to the influent manifold labeled BC-1.
** As of March 30, 1999, wells VW-7, VW-8, and BC-5 are connected to the influent manifold labeled BC-5.

TABLE 4

INDIVIDUAL WELL VAPOR ANALYTICAL DATA
ARCO FACILITY NO. 6176
WEST COVINA, CALIFORNIA

Well I.D.	Date Sampled	VFH (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)	MTBE (ppmv)
BC-1	18-May-04	26	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
GW-1	18-May-04	4.6	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
BC-5	18-May-04	9.3	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
BC-3	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
BC-6	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
BC-7	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
VW-3	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
BC-4	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
VW-2	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
VW-1	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4
GW-2	18-May-04	ND<2.8	ND<1.6	ND<1.3	ND<1.2	ND<3.5	ND<1.4

Notes:

TPHg	= Volatile fuel hydrocarbons by Environmental Protection Agency (EPA) Method 8015B as Hexane
Benzene	= Benzene by EPA Method 8021B
Toluene	= Toluene by EPA Method 8021B
Ethylbenzene	= Ethylbenzene by EPA Method 8021B
Xylenes	= Xylenes by EPA Method 8021B
MTBE	= Methyl-tert-butly Ether by EPA Method 8021B
ppmv	= Parts per million by volume
ND<	= Not detected at or above detection limit
NA	= Not available/applicable

ARCO Facility No. 6176
SVE Performance
Graph 1