



February 10, 2016

Mr. Chuck Carmel  
Atlantic Richfield Company  
(a BP affiliated company)  
P.O. Box 1257  
San Ramon, CA 94583

**Subject: 4<sup>th</sup> Quarter 2015 Data Package  
ARCO Facility No. 980  
10822 Roosevelt Way NE  
Seattle, Washington  
Washington State Department of Ecology VCP #NW2729**

Dear Mr. Carmel,

Please find enclosed the 4<sup>th</sup> Quarter 2015 data package for the subject site. We have concurrently uploaded this report to the BP Enfos system. If you have any questions or concerns, please contact me at (425) 242-1711, or at Dawn.Wulf@INNOVEX.net.

Sincerely,  
**INNOVEX Environmental Management, Inc.**

A handwritten signature in black ink that reads "Dawn Wulf". The signature is written in a cursive, flowing style.

Dawn Wulf, L.G., L.H.G.,  
Principal Hydrogeologist

**ATTACHMENTS:**

Figure 1 – Groundwater Monitoring Results – 12/14/2015, 12/16/2015  
Table 1 - Groundwater Elevation and Analytical Data  
Field Data Sheets  
Laboratory Analytical Reports and Chains of Custody



**LEGEND**

- MW-1 GROUNDWATER MONITORING WELL
- VE-1 BIOVENTING WELL
- VP-2 SOIL VAPOR EXTRACTION/VACUUM PRESSURE MONITORING POINT
- SVE/AS-1 SOIL VAPOR EXTRACTION/AIR SPARGING WELL
- AS-3 AIR SPARGING WELL
- EX-4 EXTRACTION WELL
- B-4 SOIL BORING
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X TOTAL XYLENES
- M MTBE - METHYL TERT-BUTYL ETHER
- G TOTAL PETROLEUM HYDROCARBONS - GASOLINE BY METHOD NWTPH-G
- D TOTAL PETROLEUM HYDROCARBONS - DIESEL
- O TOTAL PETROLEUM HYDROCARBONS - OIL
- Pb-T TOTAL LEAD
- Pb-D DISSOLVED LEAD
- < NOT DETECTED ABOVE LIMIT NOTED
- J REESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- \* SAMPLE WAS COLLECTED ON 03/03/95

**BOLD VALUES INDICATE EXCEEDANCE OF STATE CLEANUP CRITERIA**

- 245.73 GROUNDWATER ELEVATION (FEET)
- 246.00 GROUNDWATER ELEVATION CONTOUR LINE (FEET)
- 0.12 ft/ft CONTOUR INTERVAL=2.00 FEET  
APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

**DESIGNED BY**

Innovex Environmental  
Andrea Winder

**DRAWN BY**

ICD  
January 21, 2016

**bp**

**FIGURE 1**  
**Groundwater**  
**Monitoring Results**  
**12/14-16/2015**

**ARCO FACILITY No. 0980**  
**10822 ROOSEVELT WAY NE**  
**SEATTLE, WASHINGTON**



16310 NE 80th St., Suite 300  
Redmond, WA 98052  
(800) 988-7880

B-1 (JPHC)	
12/16/15	
B	89
T	2.0
E	15
X	36
M	<0.17
G	1,600
D	2,600
O	330
Pb-T	NA
Pb-D	NA

MW-12	
12/16/15	
B	0.64 J*
T	<0.44
E	<0.51
X	<0.50
M	<0.17
G	170
D	1,300
O	1,900
Pb-T	NA
Pb-D	NA

B-3 (JPHC)	
12/14/15	
B	<0.42
T	<0.44
E	<0.51
X	<0.50
M	<0.17
G	0.19 J
D	<27
O	57 J B
Pb-T	<30
Pb-D	NA

MW-11	
12/14/15	
B	<0.42
T	<0.44
E	<0.51
X	<0.50
M	<0.17
G	48 J
D	170 B
O	95 J
Pb-T	NA
Pb-D	NA

MW-4	
12/16/15	
B	<0.42
T	<0.44
E	<0.51
X	<0.50
M	0.20 J
G	35 J
D	280
O	260
Pb-T	NA
Pb-D	NA

MW-9	
12/14/15	
B	<0.42
T	<0.44
E	<0.51
X	<0.50
M	<0.17
G	<27
D	55 J B
O	<29
Pb-T	NA
Pb-D	NA

B COMPOUND WAS FOUND IN THE BLANK AND SAMPLE

J REESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

SOURCE: 2013 AERIAL PHOTOGRAPHY; © GOOGLE

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-1	262.35	10/05/94	2.31	0.00	260.04	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-1	262.35	02/15/95	1.39	0.00	260.96	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-1	262.35	04/10/95	1.11	0.00	261.24	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	07/20/95	1.78	0.00	260.57	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	10/25/95	1.53	0.00	260.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	01/23/96	0.79	0.00	261.56	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	04/17/96	1.13	0.00	261.22	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	07/08/96	1.30	0.00	261.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	10/10/96	1.67	0.00	260.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	03/11/97	0.82	0.00	261.53	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	05/29/97	0.99	0.00	261.36	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	08/05/97	0.31	0.00	262.04	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	10/23/97	0.32	0.00	262.03	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	03/11/98	0.81	0.00	261.54	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/30/98	1.26	0.00	261.09	4.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/25/98	1.73	0.00	260.62	4.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/29/98	0.84	0.00	261.51	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	03/09/99	0.60	0.00	261.75	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/02/99	1.04	0.00	261.31	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/27/99	1.71	0.00	260.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/20/99	1.60	0.00	260.75	1.1	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-1	262.35	03/16/00	1.40	0.00	260.95	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/30/00	1.50	0.00	260.85	4.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/27/00	1.50	0.00	260.85	1.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	11/10/00	1.43	0.00	260.92	0.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	03/19/01	1.45	0.00	260.90	2.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/27/01	1.75	0.00	260.60	1.68	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	09/26/01	2.15	0.00	260.20	0.85	<50.0	<b>10,100</b>	<b>29,100</b>	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	12/03/01	1.35	0.00	261.00	0.67	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	06/06/02	1.54	0.00	260.81	0.9	<50.0	<250	<500	<0.500	0.602	<0.500	<1.00	<2.00	<0.01	<1.00	<1.00	<1.00	NP
MW-1	262.35	06/26/03	1.62	0.00	260.73	2.2	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-1	262.35	12/09/03	1.37	0.00	260.98	2.8	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-1	262.35	04/07/04	1.25	0.00	261.10	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	11/16/04	1.82	0.00	260.53	0.20	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	2.49	<1.00	NP
MW-1	262.35	03/29/05	1.00	0.00	261.35	7.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/22/05	1.40	0.00	260.95	7.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/12/05	1.95	0.00	260.40	4.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/06/05	1.64	0.00	260.71	0.9	<50.0	<255	<510	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	1.26	<1.00	NP
MW-1	262.35	06/05/06	1.77	0.00	260.58	4.7	<50.0	<253	<505	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	1.76	<1.00	NP
MW-1	262.35	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/24/07	2.98	0.00	259.37	7.7	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-1	262.35	01/30/08	2.83	0.00	259.52	1.73	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	04/03/08	3.13	0.00	259.22	0.78	<50.0	NA	NA	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-1	262.35	07/02/08	3.88	0.00	258.47	0.90	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	10/03/08	3.53	0.00	258.82	1.3	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	01/05/09	2.87	0.00	259.48	1.2	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-1	262.35	04/07/09	3.08	0.00	259.27	7.7	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-1	262.35	07/08/09	2.89	0.00	259.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	10/06/09	3.03	0.00	259.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	01/05/10	2.06	0.00	260.29	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	05/25/10	2.20	0.00	260.15	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	08/19/10	2.59	0.00	259.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/07/10	2.18	0.00	260.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	01/26/11	1.69	0.00	260.66	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/16/11	1.97	0.00	260.38	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/22/11	3.04	0.00	259.31	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/06/11	3.40	0.00	258.95	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	03/08/12	2.05	0.00	260.30	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	06/19/12	2.04	0.00	260.31	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/21/12	2.50	0.00	259.85	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/11/12	1.57	0.00	260.78	1.5	<100	<182	<182	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP
MW-1	262.35	06/25/13	1.88	NM	260.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	09/25/13	2.14	NM	260.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	11/14/13	2.09	NM	260.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	02/12/14	1.62	NM	260.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	04/01/14	1.22	0.00	261.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	07/09/14	1.90	0.00	260.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	10/20/14	2.13	0.00	260.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	01/19/15	1.45	0.00	260.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-1	262.35	12/14/15	1.34	NM	261.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-2	261.52	10/05/94	10.09	0.00	251.43	NM	59	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-2	261.52	02/15/95	9.05	0.00	252.47	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-2	261.52	04/11/95	9.05	0.00	252.47	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	07/20/95	9.70	0.00	251.82	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	10/25/95	9.33	0.00	252.19	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	01/23/96	8.22	0.00	253.30	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	04/17/96	9.20	0.00	252.32	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	07/08/96	9.45	0.00	252.07	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-2	261.52	10/10/96	9.53	0.00	251.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	03/11/97	8.31	0.00	253.21	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	05/29/97	5.54	0.00	255.98	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	08/05/97	9.40	0.00	252.12	4.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	10/23/97	9.06	0.00	252.46	2.3	54.7	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-2	261.52	03/11/98	12.71	0.00	248.81	2.0	<80	<250	<750	0.834	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
MW-2	261.52	06/30/98	10.17	0.00	251.35	1.5	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-2	261.52	09/25/98	10.14	0.00	251.38	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/29/98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	03/09/99	11.12	NM	250.40	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/02/99	9.66	0.00	251.86	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	09/27/99	9.85	0.00	251.67	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/20/99	8.85	0.00	252.67	1.2	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-2	261.52	03/16/00	9.53	0.00	251.99	0.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/30/00	9.74	0.00	251.78	2.4	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-2	261.52	09/27/00	9.74	0.00	251.78	1.21	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-2	261.52	11/10/00	8.80	0.00	252.72	1.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	03/19/01	8.69	0.00	252.83	0.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/27/01	9.32	0.00	252.20	0.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	09/26/01	10.20	0.00	251.32	0.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/03/01	9.00	0.00	252.52	0.69	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	06/06/02	9.65	0.00	251.87	1.0	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<2.00	<0.01	<1.00	<1.00	<1.00	NP
MW-2	261.52	06/26/03	9.68	0.00	251.84	1.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	12/09/03	8.93	0.00	252.59	1.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	04/07/04	8.21	0.00	253.31	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	11/16/04	8.36	0.00	253.16	1.37	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	03/29/05	7.35	0.00	254.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/22/05	8.10	0.00	253.42	1.1	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	09/12/05	9.01	0.00	252.51	0.4	<50.0	<281	<562	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	12/06/05	7.56	0.00	253.96	1.5	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	06/05/06	7.66	0.00	253.86	3.4	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	09/29/06	16.28	0.00	245.24	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/19/06	8.05	0.00	253.47	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	09/24/07	10.04	0.00	251.48	1.2	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	12/31/07	9.01	0.00	252.51	NM	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	01/30/08	8.97	0.00	252.55	1.33	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	04/03/08	15.90	0.00	245.62	0.62	<50.0	NA	NA	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-2	261.52	07/02/08	14.90	0.00	246.62	0.77	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	10/03/08	15.56	0.00	245.96	2.2	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	01/05/09	13.52	0.00	248.00	1.9	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-2	261.52	04/08/09	15.38	0.00	246.14	1.3	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-2	261.52	07/08/09	10.52	0.00	251.00	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	10/06/09	10.60	0.00	250.92	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	01/05/10	9.65	0.00	251.87	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	05/25/10	9.89	0.00	251.63	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	08/19/10	10.16	0.00	251.36	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/07/10	9.68	0.00	251.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	01/26/11	9.26	0.00	252.26	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/16/11	9.59	0.00	251.93	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	09/22/11	14.06	0.00	247.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/06/11	17.30	0.00	244.22	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	03/08/12	10.50	0.00	251.02	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/19/12	9.72	0.00	251.80	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	09/21/12	10.09	0.00	251.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	12/11/12	8.86	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-2	261.52	06/25/13	9.50	0.00	252.02	0.52	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
MW-2	261.52	09/25/13	9.69	0.00	251.83	0.38	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF, P
MW-2	261.52	11/14/13	9.34	0.00	252.18	0.30	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-2	261.52	02/12/14	8.92	0.00	252.60	0.45	<50	48 J B	61 J B	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<2.0	<2.0	LF
MW-2	261.52	04/02/14	8.51	0.00	253.01	2.98	<10	<19	48 JB	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	<0.17	<0.17	LF
MW-2	261.52	07/10/14	9.42	0.00	252.10	0.14	<10	<9.5	<14	<0.16	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	3.5	LF
MW-2	261.52	10/21/14	9.46	0.00	252.06	0.18	<50	35 J	<250	<1.0	<1.0	<1.0	0.17 JB	<1.0	NA	NA	0.55 JB	<2.0	LF
MW-2	261.52	01/20/15	8.75	0.00	252.77	0.09	<27	29 JH <sup>1</sup> B <sup>A</sup>	180 JB <sup>A</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-2	261.52	12/14/15	8.34	NM	253.18	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-3	261.47	10/05/94	10.10	0.00	251.37	NM	<50	NA	NA	12	3	<0.5	1.5	NA	3	<0.51	<2.0	NA	P
MW-3	261.47	02/15/95	8.83	0.00	252.64	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-3	261.47	04/10/95	8.90	0.00	252.57	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	07/20/95	9.65	0.00	251.82	NM	<50	NA	NA	0.78	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-3	261.47	10/25/95	9.27	0.00	252.20	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	01/23/96	8.12	0.00	253.35	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	04/17/96	9.17	0.00	252.30	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-3	261.47	07/08/96	9.21	0.00	252.26	NM	<50	NA	NA	0.879	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-3	261.47	10/10/96	9.60	0.00	251.87	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/11/97	8.21	0.00	253.26	0.4	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-3	261.47	05/29/97	8.13	0.00	253.34	0.5	223	NA	NA	2.10	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-3	261.47	08/05/97	8.13	0.00	253.34	0.6	56.5	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-3	261.47	10/23/97	11.31	0.00	250.16	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/11/98	9.57	0.00	251.90	5.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/30/98	9.82	0.00	251.65	2.7	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-3	261.47	09/25/98	10.14	0.00	251.33	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/29/98	9.15	0.00	252.32	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/09/99	9.50	0.00	251.97	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/02/99	9.41	0.00	252.06	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/27/99	9.43	0.00	252.04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/20/99	8.20	0.00	253.27	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/16/00	9.30	0.00	252.17	0.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/30/00	9.66	0.00	251.81	1.9	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-3	261.47	09/27/00	9.78	0.00	251.69	0.46	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-3	261.47	11/10/00	8.88	0.00	252.59	0.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/19/01	8.90	0.00	252.57	1.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/27/01	9.62	0.00	251.85	0.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/26/01	10.28	0.00	251.19	1.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/03/01	8.10	0.00	253.37	0.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/06/02	9.70	0.00	251.77	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/26/03	9.65	0.00	251.82	2.0	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	12/09/03	8.87	0.00	252.60	1.4	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	04/07/04	8.27	0.00	253.20	0.8	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	11/16/04	8.40	0.00	253.07	1.61	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	1.52	<1.00	NP
MW-3	261.47	03/29/05	7.64	0.00	253.83	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/22/05	8.67	0.00	252.80	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/12/05	9.85	0.00	251.62	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/06/05	7.83	0.00	253.64	0.7	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	06/05/06	7.76	0.00	253.71	3.8	<50.0	<258	<515	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/24/07	10.20	0.00	251.27	1.0	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-3	261.47	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-3	261.47	01/30/08	8.73	0.00	252.74	1.48	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-3	261.47	04/03/08	15.05	0.00	246.42	0.79	<50.0	NA	NA	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-3	261.47	07/02/08	14.86	0.00	246.61	1.40	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-3	261.47	10/03/08	15.07	0.00	246.40	0.4	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-3	261.47	01/05/09	12.74	0.00	248.73	2.4	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-3	261.47	04/07/09	15.33	0.00	246.14	7.0	<50.0	<240	<481	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-3	261.47	07/08/09	10.41	0.00	251.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	10/06/09	10.56	0.00	250.91	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	01/05/10	9.48	0.00	251.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	05/25/10	9.70	0.00	251.77	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	08/19/10	10.15	0.00	251.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/07/10	9.51	0.00	251.96	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	01/26/11	8.80	0.00	252.67	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/16/11	9.50	0.00	251.97	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/22/11	14.25	0.00	247.22	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	03/08/12	10.48	0.00	250.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/19/12	9.54	0.00	251.93	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/21/12	10.22	0.00	251.25	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/11/12	8.35	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	06/25/13	9.45	NM	252.02	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	09/25/13	9.78	NM	251.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	11/14/13	9.33	NM	252.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	02/12/14	8.83	NM	252.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	04/02/14	8.39	0.00	253.08	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	07/09/14	9.53	0.00	251.94	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	10/20/14	9.65	0.00	251.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	01/19/15	8.64	0.00	252.83	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	261.47	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-4	261.97	10/05/94	19.69	0.19	242.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	02/15/95	18.60	3.71	246.34	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	04/10/95	16.90	0.37	245.37	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	07/20/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	10/25/95	18.24	0.00	243.73	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	01/23/96	15.37	SHEEN	246.60	NM	<b>3,300,000</b>	<b>9,000</b>	<b>14,000</b>	<b>5,000</b>	<b>5,100</b>	<b>2,000</b>	<b>15,000</b>	NA	NA	NA	NA	NA	P
MW-4	261.97	04/17/96	16.80	0.00	245.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	07/08/96	15.29	0.00	246.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	261.97	10/10/96	18.55	0.02	243.44	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
MW-4	261.97	03/11/97	15.59	TRACE	246.38	NM	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
MW-4	261.97	05/29/97	15.65	0.72	246.90	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
MW-4	261.97	08/05/97	16.39	0.48	245.96	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
MW-4	261.97	10/23/97	19.72	0.02	242.27	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
MW-4	261.97	03/11/98	14.74	SHEEN	247.23	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	261.97	06/30/98	17.57	SHEEN	244.40	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	261.97	09/25/98	17.80	SHEEN	244.17	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	261.97	12/29/98	15.73	SHEEN	246.24	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	261.97	03/09/99	14.70	0.00	247.27	NM	53.3	<250	<750	4.76	<0.5	<0.5	1.73	NA	NA	NA	NA	NA	NP
MW-4	261.97	06/02/99	16.21	SHEEN	245.76	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	261.97	09/27/99	18.58	0.00	243.39	NM	<b>2,100</b>	<b>590</b>	NA	4.04	<0.500	<0.500	<10.0	NA	NA	NA	NA	NA	NP
MW-4	261.97	12/20/99	15.40	0.00	246.57	0.18	<b>385</b>	<498	NA	<b>690</b>	<2.50	4.77	33.7	NA	NA	NA	NA	NA	NP
MW-4	261.97	03/16/00	15.85	0.00	246.12	0.48	<b>685</b>	NA	NA	<b>52.8</b>	1.22	3.25	25.3	NA	NA	NA	NA	NA	NP
MW-4	261.97	06/30/00	17.65	0.00	244.32	1.6	<b>983</b>	<b>3,340</b>	<750	<b>152</b>	5.70	3.54	31.1	NA	NA	NA	NA	NA	NP
MW-4	261.97	09/27/00	18.25	0.00	243.72	0.59	<b>1,430</b>	<b>1,800</b>	<750	<b>147</b>	3.51	19.4	64.7	NA	NA	NA	NA	NA	NP
MW-4	261.97	11/10/00	17.36	0.01	244.62	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
MW-4	261.97	03/19/01	17.39	0.00	244.58	0.27	<b>1,040</b>	<b>739</b>	<1,450	<b>338</b>	<5.00	14.0	31.9	<b>319</b>	NA	NA	NA	NA	NP
MW-4	261.97	06/27/01	17.83	0.00	244.14	0.92	630	<250	<750	<b>37.8</b>	0.821	1.69	13.0	18.6	NA	NA	NA	NA	NP
MW-4	261.97	09/26/01	18.27	0.00	243.70	0.19	<b>611,000</b>	<b>11,300</b>	<b>11,500</b>	<b>1,850</b>	491	<b>3,480</b>	<b>30,100</b>	<b>149</b>	NA	NA	NA	NA	NP
MW-4	261.97	12/03/01	16.05	0.00	245.92	0.37	<b>1,980</b>	<b>2,120</b>	<b>3,880</b>	<b>325</b>	<5.00	<5.00	32.5	<b>34.7</b>	NA	NA	NA	NA	NP
MW-4	261.97	06/06/02	17.41	0.00	244.56	0.6	<b>2,940</b>	<b>1,620</b>	<b>2,160</b>	<b>199</b>	<2.50	6.30	48.6	<b>33.2</b>	<0.01	<1.00	6.96	2.43	NP
MW-4	261.97	06/26/03	17.56	0.00	244.41	1.2	<b>4,410</b>	<b>6,630</b>	<b>3,070</b>	<b>1,350</b>	<5.00	45.1	52.1	<20.0	NA	NA	4.04	1.87	NP, a
MW-4	261.97	12/09/03	16.40	0.00	245.57	1.8	<b>3,200</b>	<b>1,240</b>	<b>2,450</b>	<b>918</b>	2.52	64.0	47.6	<b>38.2</b>	NA	NA	<1.00	<1.00	NP
MW-4	261.97	04/07/04	16.53	0.00	245.44	NM	<b>3,470</b>	<b>711</b>	<b>1,230</b>	<b>1,230</b>	<5.00	10.1	25.2	<10.0	NA	NA	2.45	1.58	NP
MW-4	261.97	11/16/04	17.20	0.10	244.85	NM	<b>76,200</b>	<b>24,300</b>	<b>8,350</b>	<b>990</b>	<5.00	96.9	154	<b>20.9</b>	NA	NA	11.5	<1.00	NP
MW-4	261.16	03/29/05	15.06	0.00	246.10	1.2	<b>28,900</b>	<b>16,700</b>	<b>25,800</b>	<b>5,920</b>	79.0	<b>1,140</b>	<b>6,630</b>	<100	<0.010	<25.0	<b>204</b>	NA	NP
MW-4	261.16	06/22/05	16.97	0.00	244.19	0.7	<b>2,730</b>	<b>4,600</b>	<b>6,130</b>	<b>1,070</b>	<5.00	22.5	44.7	<20.0	NA	NA	10	<1.00	NP
MW-4	261.16	09/12/05	18.09	0.00	243.07	0.4	<b>5,450</b>	<b>1,070</b>	<b>1,590</b>	<b>980</b>	10.3	143	55.1	16.2	NA	NA	2.62	<1.00	NP
MW-4	261.16	12/06/05	16.75	0.00	244.41	1.7	<b>4,320</b>	<b>1,030</b>	<b>1,720</b>	<b>737</b>	5.0	127	58.0	<10.0	NA	NA	2.42	<1.00	NP
MW-4	261.16	06/05/06	16.57	0.00	244.59	2.1	<b>3,720</b>	430	<b>641</b>	<b>851</b>	<10.0	146	168	<20.0	NA	NA	3.04	<1.00	NP
MW-4	261.16	09/29/06	25.28	0.00	235.88	0.7	174	NA	NA	<0.500	<0.500	0.81	<3.00	NA	NA	NA	NA	NP	
MW-4	261.16	12/19/06	15.49	0.00	245.67	1.5	566	NA	NA	<b>33.8</b>	<0.500	2.35	2.03	NA	NA	NA	NA	NP	
MW-4	261.16	09/24/07	18.45	0.00	242.71	2.1	<b>1,360</b>	<b>1,610</b>	<b>3,710</b>	<b>99.5</b>	1.62	67.3	82.2	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	12/31/07	16.41	0.00	244.75	1.33	<b>1,620</b>	<236	<472	<b>111</b>	2.9	53.6	63.5	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	01/30/08	16.49	0.00	244.67	1.15	<b>1,640</b>	<236	<472	<b>134</b>	11.6	13.2	63.2	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	04/03/08	22.96	0.00	238.20	1.25	<50.0	NA	NA	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-4	261.16	07/02/08	20.43	0.00	240.73	1.72	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	10/03/08	24.98	0.00	236.18	0.8	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	01/05/09	21.07	0.00	240.09	1.9	<50.0	<236	<b>644</b>	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-4	261.16	04/08/09	24.52	0.00	236.64	1.0	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-4	261.16	07/08/09	18.37	0.00	242.79	2.0	<80.0	<248	<495	0.900	<0.500	<0.500	<1.00	<2.00	NA	NA	3.95	2.96	NP
MW-4	261.16	10/06/09	18.85	0.00	242.31	2.8	69	<245	<490	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	3.6	2.9	NP
MW-4	261.16	01/05/10	16.52	0.00	244.64	1.6	<50.0	<120	250	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	3.8	<2.00	NP
MW-4	261.16	05/25/10	17.11	0.00	244.05	1.6	<50.0	210	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	<2.00	<2.00	NP
MW-4	261.16	08/19/10	18.00	0.00	243.16	0.9	<50.0	140	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	<2.00	<2.00	NP
MW-4	261.16	12/07/10	16.60	0.00	244.56	1.2	<50	420	<b>920</b>	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	2.6	<2.0	NP
MW-4	261.16	01/26/11	15.32	0.00	245.84	2.3	<50	260	330	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	3.0	<2.0	NP
MW-4	261.16	06/16/11	16.72	0.00	244.44	0.8	<50	<b>1,200</b>	<b>2,200</b>	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
MW-4	261.16	09/22/11	20.26	0.00	240.90	6.1	<50	<96.2	<481	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
MW-4	261.16	12/06/11	21.94	0.00	239.22	NM	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-4	261.16	03/08/12	17.42	0.00	243.74	6.2	<50.0	<82.5	<412	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-4	261.16	06/19/12	17.22	0.00	243.94	NM	<50.0	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-4	261.16	09/21/12	18.25	0.00	242.91	0.14	<50.0	<80.8	<404	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-4	261.16	12/11/12	15.80	0.00	245.36	1.0	<100	<189	304	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP
MW-4	261.16	06/25/13	17.15	0.00	244.01	0.36	<50	25	71	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
MW-4	261.16	09/25/13	17.88	0.00	243.28	0.54	<50	<270	<270	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF, P
MW-4	261.16	11/14/13	17.32	0.00	243.84	0.29	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-4	261.16	02/12/14	16.80	0.00	244.36	1.27	<50	<b>590 B Y</b>	390 B Y	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	0.30 J	<2.0	LF
MW-4	261.16	04/02/14	14.55	0.00	246.61	1.07	<10	<b>900 B Y</b>	<b>780 B Y</b>	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	0.51 J	<0.17	LF
MW-4	261.16	07/10/14	17.24	0.00	243.92	0.25	14 JB	300 B Y	200 J	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-4	261.16	10/22/14	17.44	0.00	243.72	0.25	11 JB	350	210 J	<1.0	<1.0	<1.0	0.16 JB	0.25 J	NA	NA	0.55 JB	<2.0	LF
MW-4	261.16	01/20/15	15.72	0.00	245.44	0.14	<27	<b>580 H<sup>1</sup>B<sup>A</sup></b>	<b>510 <sup>A</sup>H<sup>1</sup></b>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-4	261.16	12/16/15	15.04	NM	246.12	0.59	35 J	280	260	<0.42	<0.44	<0.51	<0.50	0.20 J	NA	NA	NA	NA	LF

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Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-5	259.96	10/05/94	19.20	0.00	240.76	NM	<50	NA	NA	57	2.6	0.94	2.2	NA	NA	NA	2.4	NA	P
MW-5	259.96	02/15/95	16.20	0.00	243.76	NM	63	440	3,300	160	0.96	<0.5	<1.0	NA	NA	NA	<2.0	NA	P, *, a
MW-5	259.96	04/10/95	16.59	0.00	243.37	NM	<100	NA	NA	270	<2.0	<2.0	<4.0	NA	NA	NA	NA	NA	P
MW-5	259.96	07/20/95	16.96	0.00	243.00	NM	80	720	870	330	1.1	1.1	<1.0	NA	NA	NA	NA	NA	P
MW-5	259.96	10/26/95	16.55	0.00	243.41	NM	61	1,100	2,400	440	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-5	259.96	01/23/96	15.30	SHEEN	244.66	NM	<200	3,200	10,000	770	<4.0	<4.0	8.4	NA	NA	NA	NA	NA	P
MW-5	259.96	04/17/96	12.72	0.00	247.24	NM	<50	490	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-5	NE	07/08/96	16.25	0.00	NE	NM	544	683	791	<0.5	<0.5	<0.5	2.64	NA	NA	NA	NA	NA	P
MW-5	261.04	10/10/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS	
MW-5	261.04	03/11/97	14.80	0.00	246.24	0.8	76.4	4,241	<750	3.22	10.9	1.65	13.0	NA	NA	NA	NA	NA	NP
MW-5	261.04	05/29/97	12.38	TRACE	248.66	NM	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	
MW-5	261.04	08/05/97	15.54	0.00	245.50	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	10/23/97	15.29	0.00	245.75	4.2	<50	447	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-5	261.04	03/11/98	14.03	0.00	247.01	2.0	<80	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
MW-5	261.04	06/30/98	13.17	0.00	247.87	8.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	09/25/98	16.79	0.00	244.25	0.8	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-5	261.04	12/29/98	13.12	0.00	247.92	9.8	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-5	261.04	03/09/99	10.04	0.00	251.00	9.6	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-5	261.04	06/02/99	16.11	0.00	244.93	1.0	<50.0	<250	<750	<0.500	3.17	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-5	261.04	09/27/99	15.50	0.00	245.54	NM	<50.0	<250	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-5	261.04	12/20/99	15.00	0.00	246.04	1.13	<50.0	<250	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-5	261.04	03/16/00	11.39	0.00	249.65	0.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/30/00	16.93	0.00	244.11	3.8	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-5	261.04	09/27/00	17.67	0.00	243.37	0.31	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-5	261.04	11/10/00	17.10	0.00	243.94	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	03/19/01	16.57	0.00	244.47	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/27/01	16.52	0.00	244.52	2.07	<250	<322	<965	<2.50	<2.50	<2.50	<5.00	90.1	NA	NA	NA	NA	NP
MW-5	261.04	09/26/01	14.22	0.00	246.82	2.97	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	19.7	NA	NA	NA	NA	NP
MW-5	261.04	12/03/01	15.32	0.00	245.72	1.07	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	27.2	NA	NA	NA	NA	NP
MW-5	261.04	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/26/03	16.83	0.00	244.21	1.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	22.1	NA	NA	1.63	<1.00	NP
MW-5	261.04	12/09/03	15.59	0.00	245.45	1.3	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	21.0	NA	NA	<1.00	<1.00	NP
MW-5	261.04	04/07/04	16.10	0.00	244.94	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	11/16/04	16.58	0.00	244.46	0.65	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	26.9	NA	NA	<1.00	<1.00	NP
MW-5	261.04	03/29/05	16.03	0.00	245.01	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/22/05	16.57	0.00	244.47	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	09/12/05	17.44	0.00	243.60	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	12/06/05	15.86	0.00	245.18	1.8	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	9.4	NA	NA	<1.00	<1.00	NP
MW-5	261.04	06/05/06	15.78	0.00	245.26	1.6	<50.0	<263	<526	<0.500	<0.500	<0.500	<1.00	4.37	NA	NA	2.1	<1.00	NP
MW-5	261.04	09/29/06	23.75	0.00	237.29	4.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	12/19/06	14.58	0.00	246.46	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	09/24/07	17.61	0.00	243.43	1.8	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	1.54	NA	NA	NA	NA	NP
MW-5	261.04	12/31/07	15.40	0.00	245.64	2.08	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	1.35	NA	NA	NA	NA	NP
MW-5	261.04	01/30/08	15.50	0.00	245.54	2.95	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	1.27	NA	NA	NA	NA	NP
MW-5	261.04	04/03/08	20.44	0.00	240.60	5.02	<50.0	NA	NA	<0.500	<0.500	<0.500	<3.00	1.95	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-5	261.04	07/02/08	19.21	0.00	241.83	5.84	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	2.02	NA	NA	NA	NA	NP
MW-5	261.04	10/03/08	22.82	0.00	238.22	NM	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	1.81	NA	NA	NA	NA	NP
MW-5	261.04	01/05/09	20.60	0.00	240.44	5.7	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	1.43	NA	NA	NA	NA	NP
MW-5	261.04	04/08/09	21.52	0.00	239.52	4.8	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	2.07	NA	NA	<1.00	<1.00	NP
MW-5	261.04	07/08/09	17.51	0.00	243.53	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	10/06/09	18.30	0.00	242.74	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	01/05/10	15.62	0.00	245.42	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	05/25/10	16.25	0.00	244.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	08/19/10	17.40	0.00	243.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	12/07/10	15.81	0.00	245.23	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	01/26/11	14.56	0.00	246.48	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/16/11	15.95	0.00	245.09	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	09/22/11	19.22	0.00	241.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	12/06/11	20.45	0.00	240.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	03/08/12	16.40	0.00	244.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/19/12	16.27	0.00	244.77	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	09/21/12	17.65	0.00	243.39	0.29	<50.0	<80.0	<400	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-5	261.04	12/11/12	14.24	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	261.04	06/25/13	16.34	0.00	244.70	0.99	<50	<250	30	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
MW-5	261.04	09/25/13	17.37	0.00	243.67	1.32	<50	<270	<270	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	
MW-5	261.04	11/14/13	16.69	0.00	244.35	0.47	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-5	261.04	02/12/14	15.95	0.00	245.09	2.37	<50	78 J B	80 J B	<1.0	<1.0	<1.0	<3.0	0.46 J	NA	NA	<2.0	<2.0	LF
MW-5	261.04	04/01/14	14.15	0.00	246.89	2.51	<10	110 JB	160 JB	<1.1	<0.89	<0.89	<0.82	0.78 J	NA	NA	<0.17	<0.17	LF
MW-5	261.04	07/10/14	16.72	0.00	244.32	0.72	<10	150 BY	180 J	<0.14	<0.16	<0.13	<0.12	0.38 J	NA	NA	<0.17	<0.17	LF
MW-5	261.04	10/21/14	17.05	0.00	243.99	0.99	<50	100 J	<250	<1.0	<1.0	<1.0	<3.0	0.39 J	NA	NA	0.44 JB	<2.0	LF
MW-5	261.04	01/20/15	15.09	0.00	245.95	0.33	<27	220 H <sup>1</sup> BY <sup>^</sup>	230 ^JH <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	0.43 J	NA	NA	<0.17	<0.17	LF
MW-5	261.04	12/14/15	14.53	NM	246.51	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-6	261.72	10/05/94	10.35	0.00	251.37	NM	1,400	NA	NA	160	260	45	180	NA	NA	NA	<2.0	NA	P
MW-6	261.72	02/15/95	9.24	0.00	252.48	NM	220	NA	<1,000	13	32	5.7	30	NA	NA	NA	<2.0	NA	P, a
MW-6	261.72	04/10/95	9.29	0.00	252.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	07/20/95	10.08	0.00	251.64	NM	2,300	<250	NA	130	410	70	390	NA	NA	NA	NA	NA	P
MW-6	261.72	10/25/95	9.77	0.00	251.95	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	01/23/96	8.56	0.00	253.16	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	04/17/96	9.50	0.00	252.22	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-6	261.72	07/08/96	9.65	0.00	252.07	NM	<50	<250	<750	<0.5	0.528	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-6	261.72	10/10/96	9.95	0.00	251.77	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	03/11/97	8.69	0.00	253.03	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	05/29/97	8.73	0.00	252.99	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	08/05/97	8.90	0.00	252.82	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	10/23/97	8.08	0.00	253.64	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	03/11/98	11.51	0.00	250.21	0.9	192	<250	<750	1.4	5.35	1.24	19.4	NA	NA	NA	NA	NA	
MW-6	261.72	06/30/98	10.44	0.00	251.28	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/25/98	10.56	0.00	251.16	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/29/98	9.68	0.00	252.04	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	03/09/99	11.23	0.00	250.49	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/02/99	9.89	0.00	251.83	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/27/99	8.22	0.00	253.50	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/20/99	9.30	0.00	252.42	0.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	03/16/00	9.64	0.00	252.08	0.31	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-6	261.72	06/30/00	10.10	0.00	251.62	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/27/00	10.51	0.00	251.21	0.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	11/10/00	9.25	0.00	252.47	0.34	<80.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-6	261.72	03/19/01	9.15	0.00	252.57	0.89	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	06/27/01	9.96	0.00	251.76	0.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/26/01	10.53	0.00	251.19	0.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/03/01	9.05	0.00	252.67	0.95	394	<250	<500	2.15	0.875	10.4	36.1	<5.00	NA	NA	NA	NA	NP
MW-6	261.72	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/26/03	10.02	0.00	251.70	2.4	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	12/09/03	9.25	0.00	252.47	1.9	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	04/07/04	8.65	0.00	253.07	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	11/16/04	8.82	0.00	252.90	NM	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	03/29/05	8.10	0.00	253.62	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/22/05	8.77	0.00	252.95	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/12/05	9.65	0.00	252.07	1.0	<50.0	<294	<588	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	12/06/05	8.24	0.00	253.48	2.2	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	06/05/06	8.08	0.00	253.64	3.2	<50.0	<263	<526	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	09/29/06	15.73	0.00	245.99	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/19/06	8.21	0.00	253.51	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/24/07	10.55	0.00	251.17	9.6	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-6	261.72	01/30/08	9.09	0.00	252.63	1.07	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	04/03/08	15.89	0.00	245.83	1.66	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-6	261.72	07/02/08	15.43	0.00	246.29	1.98	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	10/03/08	15.48	0.00	246.24	1.8	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	01/05/09	13.06	0.00	248.66	2.6	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-6	261.72	04/08/09	17.48	0.00	244.24	1.4	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-6	261.72	07/08/09	11.00	0.00	250.72	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	10/06/09	11.17	0.00	250.55	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	01/05/10	10.06	0.00	251.66	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	05/25/10	10.26	0.00	251.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	08/19/10	10.66	0.00	251.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/07/10	10.04	0.00	251.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	01/26/11	9.48	0.00	252.24	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/16/11	9.98	0.00	251.74	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/22/11	14.79	0.00	246.93	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/06/11	17.88	0.00	243.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	03/08/12	11.03	0.00	250.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/19/12	15.09	0.00	246.63	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/21/12	10.71	0.00	251.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/11/12	9.46	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	06/25/13	10.03	NM	251.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	09/25/13	10.32	NM	251.40	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	11/14/13	9.86	NM	251.86	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	02/12/14	9.44	NM	252.28	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	04/01/14	8.87	0.00	252.85	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	07/09/14	9.97	0.00	251.75	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	10/20/14	10.09	0.00	251.63	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	01/19/15	9.05	0.00	252.67	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	261.72	12/14/15	8.81	NM	252.91	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-7	261.21	10/05/94	17.62	0.00	243.59	NM	5,500	NA	NA	4,600	470	81	810	NA	NA	NA	<2.0	NA	P
MW-7	261.21	02/15/95	15.00	0.00	246.21	NM	4,300	NA	12,000	5,500	240	80	160	NA	NA	NA	<2.0	NA	P, a
MW-7	261.21	04/10/95	15.10	0.00	246.11	NM	2,800	NA	7,800	3,600	140	53	470	NA	NA	NA	NA	NA	P, b
MW-7	261.21	07/20/95	16.70	0.00	244.51	NM	2,400	1,200	NA	3,300	260	36	350	NA	NA	NA	NA	NA	P
MW-7	261.21	10/26/95	16.38	0.00	244.83	NM	170	930	2,100	590	12	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-7	261.21	01/23/96	14.26	0.00	246.95	NM	<50	1,100	2,100	2.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
MW-7	261.21	04/17/96	15.39	0.00	245.82	NM	1,500	580	<750	2,500	57	45	270	NA	NA	NA	NA	NA	P
MW-7	261.21	07/08/96	15.65	0.00	245.56	NM	1,100	879	<750	1,220	25.6	<0.5	162	NA	NA	NA	NA	NA	P
MW-7	261.21	10/10/96	16.35	0.00	244.86	NM	<1,000	636	<750	1,100	21.3	21.5	72.8	NA	NA	NA	NA	NA	P
MW-7	261.21	03/11/97	14.21	0.00	247.00	0.3	373	8,571	<750	708	20.8	8.18	22.0	NA	NA	NA	NA	NA	NP
MW-7	261.21	05/29/97	11.56	0.00	249.65	0.5	<500	NA	NA	580	<5.0	6.72	14.3	NA	NA	NA	NA	NA	NP
MW-7	261.21	08/05/97	14.92	0.00	246.29	0.7	265	713	<750	462	3.11	5.81	13.9	NA	NA	NA	NA	NA	NP
MW-7	261.21	10/23/97	13.96	0.00	247.25	0.7	89.4	565	<750	23.7	<0.5	0.689	1.62	NA	NA	NA	NA	NA	NP
MW-7	261.21	03/11/98	14.30	0.00	246.91	0.8	<80	<250	<750	19.2	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
MW-7	261.21	06/30/98	15.88	0.00	245.33	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	09/25/98	NM	0.00	NM	NM	<50	<250	<750	25.7	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
MW-7	261.21	12/29/98	13.98	0.00	247.23	0.8	<250	<250	<750	116	<2.5	<2.5	<5.0	NA	NA	NA	NA	NA	NP
MW-7	261.21	03/09/99	13.59	0.00	247.62	1.1	68.3	<250	<750	73.5	0.502	0.559	1.52	NA	NA	NA	NA	NA	NP
MW-7	261.21	06/02/99	14.84	0.00	246.37	0.3	<50.0	<250	<750	41.1	5.95	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	09/27/99	15.10	0.00	246.11	NM	<50.0	<250	NA	0.544	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	12/20/99	14.00	0.00	247.21	0.36	<50.0	<250	NA	161	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	03/16/00	14.55	0.00	246.66	0.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/30/00	16.08	0.00	245.13	2.9	<50.0	420	<750	1.20	<0.780	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	09/27/00	16.53	0.00	244.68	0.35	<50.0	323	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	11/10/00	15.85	0.00	245.36	0.49	<80.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-7	261.21	03/19/01	15.48	0.00	245.73	1.21	<50.0	<250	<750	<0.500	0.821	<0.500	<1.00	55.9	NA	NA	NA	NA	NP
MW-7	261.21	06/27/01	16.11	0.00	245.10	0.84	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	35.2	NA	NA	NA	NA	NP
MW-7	261.21	09/26/01	16.67	0.00	244.54	0.61	<50.0	253	<750	<0.500	<0.500	<0.500	<1.00	57.8	NA	NA	NA	NA	NP
MW-7	261.21	12/03/01	14.29	0.00	246.92	0.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/09/03	14.50	0.00	246.71	1.2	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	35.6	NA	NA	<1.00	<1.00	NP
MW-7	261.21	04/07/04	14.97	0.00	246.24	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	11/16/04	15.24	0.00	245.97	0.98	84.3	<250	<500	<0.200	<0.500	<0.500	<1.00	20.6	NA	NA	<1.00	<1.00	NP
MW-7	261.21	03/29/05	14.41	0.00	246.80	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/22/05	15.39	0.00	245.82	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	09/12/05	16.18	0.00	245.03	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/06/05	14.47	0.00	246.74	1.4	33,000	<243	<485	644	8,200	942	5,250	<200	NA	NA	<1.00	<1.00	NP
MW-7	261.21	06/05/06	14.43	0.00	246.78	3.2	4,590	<278	<556	26.8	10.0	373	520	<20.0	NA	NA	<1.00	<1.00	NP
MW-7	261.21	09/29/06	21.71	0.00	239.50	NM	1,760	NA	NA	<0.500	0.85	27.3	86.3	NA	NA	NA	NA	NA	NP
MW-7	261.21	12/19/06	13.63	0.00	247.58	2.6	189	NA	NA	<0.500	<0.500	1.26	8.9	NA	NA	NA	NA	NA	NP
MW-7	261.21	09/24/07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
MW-7	261.21	12/31/07	14.54	0.00	246.67	2.55	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	3.1	NA	NA	NA	NA	NP
MW-7	261.21	01/30/08	14.66	0.00	246.55	1.24	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	2.73	NA	NA	NA	NA	NP
MW-7	261.21	04/03/08	19.26	0.00	241.95	0.88	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	5.63	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-7	261.21	07/02/08	18.34	0.00	242.87	1.09	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	3.96	NA	NA	NA	NA	NP
MW-7	261.21	10/03/08	20.13	0.00	241.08	2.0	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	2.23	NA	NA	NA	NA	NP
MW-7	261.21	01/05/09	18.50	0.00	242.71	1.8	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	2.63	NA	NA	NA	NA	NP
MW-7	261.21	04/08/09	20.85	0.00	240.36	1.3	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	5.4	NA	NA	<1.00	<1.00	NP
MW-7	261.21	07/08/09	16.45	0.00	244.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	10/06/09	16.98	0.00	244.23	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	01/05/10	14.77	0.00	246.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	05/25/10	15.45	0.00	245.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	08/19/10	16.30	0.00	244.91	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/07/10	14.88	0.00	246.33	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	01/26/11	13.84	0.00	247.37	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/16/11	15.05	0.00	246.16	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	09/22/11	18.12	0.00	243.09	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/06/11	19.71	0.00	241.50	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	03/08/12	15.50	0.00	245.71	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/19/12	15.09	0.00	246.12	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	09/21/12	16.37	0.00	244.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/11/12	13.45	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	06/25/13	15.19	NM	246.02	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	09/25/13	15.85	NM	245.36	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	11/14/13	15.32	NM	245.89	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	02/12/14	15.77	NM	245.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	04/01/14	13.15	0.00	248.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	07/09/14	15.56	0.00	245.65	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	10/20/14	15.63	0.00	245.58	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	01/19/15	14.06	0.00	247.15	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-7	261.21	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-8	259.96	10/05/94	18.11	0.00	241.85	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P
MW-8	259.96	02/15/95	15.07	0.00	244.89	NM	NA	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P, *
MW-8	259.96	04/10/95	15.07	0.00	244.89	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.96	07/20/95	16.96	0.00	243.00	NM	NA	410	<750	NA	NA	NA	NA	NA	NA	NA	NA	NA	P
MW-8	259.96	10/25/95	16.85	0.00	243.11	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	01/23/96	13.95	0.00	245.63	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
MW-8	259.58	04/17/96	15.46	0.00	244.12	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	07/08/96	15.89	0.00	243.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	10/10/96	16.70	0.00	242.88	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	03/11/97	14.19	0.00	245.39	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	05/29/97	14.41	0.00	245.17	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	08/05/97	14.10	0.00	245.48	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	10/23/97	14.17	0.00	245.41	3.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	03/11/98	14.00	0.00	245.58	4.2	<80	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
MW-8	259.58	06/30/98	17.58	0.00	242.00	8.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/25/98	17.08	0.00	242.50	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/29/98	14.49	0.00	245.09	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	03/09/99	13.48	0.00	246.10	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/02/99	15.36	0.00	244.22	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/27/99	16.79	0.00	242.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/20/99	14.38	0.00	245.20	0.41	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-8	259.58	03/16/00	14.80	0.00	244.78	2.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/30/00	16.35	0.00	243.23	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/27/00	17.24	0.00	242.34	1.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	11/10/00	16.80	0.00	242.78	0.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	03/19/01	16.05	0.00	243.53	0.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/27/01	16.62	0.00	242.96	1.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/26/01	17.64	0.00	241.94	0.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/03/01	15.17	0.00	244.41	0.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/06/02	16.00	0.00	243.58	1.8	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<2.00	<0.01	<1.00	<1.00	<1.00	NP
MW-8	259.58	06/26/03	16.52	0.00	243.06	5.2	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	12/09/03	15.45	0.00	244.13	2.0	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	1.42	NA	NA	<1.00	<1.00	NP
MW-8	259.58	04/07/04	15.51	0.00	244.07	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	11/16/04	16.45	0.00	243.13	2.06	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	03/29/05	16.08	0.00	243.50	2.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/22/05	16.12	0.00	243.46	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/12/05	17.15	0.00	242.43	0.5	<50.0	<281	<562	<0.500	0.653	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	12/06/05	15.80	0.00	243.78	2.1	<50.0	<250	<500	<0.500	1.07	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	06/05/06	15.08	0.00	244.50	2.2	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/24/07	17.16	0.00	242.42	1.4	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	12/31/07	15.00	0.00	244.58	1.87	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	01/30/08	14.87	0.00	244.71	1.46	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	04/02/08	18.07	0.00	241.51	1.36	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-8	259.58	07/01/08	18.34	0.00	241.24	3.32	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	10/03/08	19.32	0.00	240.26	4.7	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	01/06/09	18.14	0.00	241.44	2.6	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-8	259.58	04/08/09	17.70	0.00	241.88	2.5	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-8	259.58	07/08/09	16.95	0.00	242.63	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	10/06/09	17.80	0.00	241.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	01/05/10	15.11	0.00	244.47	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	05/25/10	15.52	0.00	244.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	08/19/10	16.80	0.00	242.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/07/10	15.54	0.00	244.04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	01/26/11	13.80	0.00	245.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/16/11	15.15	0.00	244.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/22/11	18.25	0.00	241.33	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/06/11	18.16	0.00	241.42	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	03/08/12	15.89	0.00	243.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/19/12	12.67	0.00	246.91	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	09/21/12	17.20	0.00	242.38	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	12/11/12	14.28	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	259.58	06/26/13	15.85	0.00	243.73	0.47	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
MW-8	259.58	09/25/13	16.98	0.00	242.60	0.35	<50	<270	<270	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-8	259.58	11/15/13	16.45	0.00	243.13	0.26	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-8	259.58	02/13/14	15.84	0.00	243.74	1.34	<50	62 J B	65 J B	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<2.0	<2.0	LF
MW-8	259.58	04/02/14	13.65	0.00	245.93	1.68	<10	66 JB	88 JB	<1.1	<0.89	<0.89	<0.82	0.78 J	NA	NA	<0.17	<0.17	LF
MW-8	259.58	07/10/14	16.03	0.00	243.55	0.39	<10	95 JB	81 J	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-8	259.58	10/21/14	16.79	0.00	242.79	0.17	<50	55 J	<250	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	0.44 JB	<2.0	LF
MW-8	259.58	01/19/15	14.35	0.00	245.23	0.35	<27	98 JH <sup>1</sup> B <sup>A</sup>	<29 H <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-8	259.58	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-9	259.30	10/05/94	19.51	0.00	239.79	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	4.6	NA	P
MW-9	259.30	02/15/95	16.71	0.00	242.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	259.30	04/10/95	16.83	0.00	242.47	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	259.30	07/20/95	18.66	0.00	240.64	NM	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P
MW-9	259.30	10/25/95	18.29	0.00	241.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	01/23/96	15.47	0.00	243.49	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
MW-9	258.96	04/17/96	17.18	0.00	241.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	07/08/96	17.73	0.00	241.23	NM	NA	<250	<750	NA	NA	NA	NA	NA	NA	NA	NS	NA	P
MW-9	258.96	10/10/96	18.47	0.00	240.49	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	03/11/97	15.91	0.00	243.05	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	05/29/97	14.77	0.00	244.19	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	08/05/97	16.21	0.00	242.75	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	10/23/97	15.81	0.00	243.15	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	03/11/98	15.88	0.00	243.08	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/30/98	17.97	0.00	240.99	2.5	<50	<250	NA	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
MW-9	258.96	09/25/98	18.57	0.00	240.39	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	12/29/98	15.84	0.00	243.12	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	03/09/99	15.00	0.00	243.96	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/02/99	17.17	0.00	241.79	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/27/99	18.39	0.00	240.57	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	12/20/99	15.85	0.00	243.11	0.56	<50.0	NA	<500	<500	<0.500	<1.00	NA	NA	NA	NA	NA	NA	NP
MW-9	258.96	03/16/00	16.35	0.00	242.61	2.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/30/00	18.05	0.00	240.91	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/27/00	18.87	0.00	240.09	5.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	11/10/00	18.04	0.00	240.92	0.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	03/19/01	17.50	0.00	241.46	1.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/27/01	18.08	0.00	240.88	0.41	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	<5.00	NA	NA	NA	NA	NP
MW-9	258.96	09/26/01	18.80	0.00	240.16	0.65	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	<5.00	NA	NA	NA	NA	NP
MW-9	258.96	12/03/01	16.25	0.00	242.71	1.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/06/02	17.72	0.00	241.24	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/26/03	18.07	0.00	240.89	4.7	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<5.00	NA	NA	<1.00	<1.00	NP
MW-9	258.96	12/09/03	16.51	0.00	242.45	4.1	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	2.12	NA	NA	<1.00	<1.00	NP
MW-9	258.96	04/07/04	17.10	0.00	241.86	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	11/16/04	17.21	0.00	241.75	2.49	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-9	258.96	03/29/05	16.81	0.00	242.15	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/22/05	17.70	0.00	241.26	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/12/05	18.64	0.00	240.32	1.0	156	<312	<625	<0.500	5.91	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
MW-9	258.96	12/06/05	17.10	0.00	241.86	3.6	<50.0	<248	<495	<0.500	0.85	<0.500	<1.00	1.07	NA	NA	<1.00	<1.00	NP
MW-9	258.96	06/05/06	17.01	0.00	241.95	2.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-9	258.96	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/24/07	18.88	0.00	240.08	2.4	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-9	258.96	12/31/07	16.57	0.00	242.39	2.37	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-9	258.96	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-9	258.96	04/02/08	19.63	0.00	239.33	2.03	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-9	258.96	07/01/08	19.99	0.00	238.97	2.43	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-9	258.96	10/03/08	20.74	0.00	238.22	1.8	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-9	258.96	01/06/09	19.11	0.00	239.85	3.6	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
MW-9	258.96	04/08/09	18.98	0.00	239.98	3.0	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-9	258.96	07/08/09	18.55	0.00	240.41	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	10/06/09	19.19	0.00	239.77	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	01/05/10	15.50	0.00	243.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	05/25/10	17.17	0.00	241.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	08/19/10	18.39	0.00	240.57	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	12/07/10	16.95	0.00	242.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	01/26/11	15.18	0.00	243.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/16/11	16.84	0.00	242.12	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/22/11	19.62	0.00	239.34	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	12/06/11	19.14	0.00	239.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	03/08/12	17.17	0.00	241.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/19/12	17.22	0.00	241.74	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	09/21/12	18.54	0.00	240.42	0.30	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-9	258.96	12/11/12	15.20	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	258.96	06/26/13	17.31	0.00	241.65	1.21	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	<0.50	NS	NS	<10	<10	LF, P
MW-9	258.96	09/25/13	18.23	0.00	240.73	2.89	<50	<270	<270	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-9	258.96	11/14/13	17.64	0.00	241.32	2.79	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-9	258.96	02/14/14	16.96	0.00	242	1.97	<50	74 J B	82 J B	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<2.0	<2.0	LF
MW-9	258.96	04/02/14	15.05	0.00	243.91	2.90	<10	46 JB	58 JB	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	<0.17	<0.17	LF
MW-9	258.96	07/10/14	17.54	0.00	241.42	1.11	<10	75 JB	62 J	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	0.35 J	LF
MW-9	258.96	10/21/14	17.90	0.00	241.06	1.78	<50	66 J	<240	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	0.26 JB	<2.0	LF
MW-9	258.96	01/20/15	15.88	0.00	243.08	0.38	<27	89 JH <sup>1</sup> B <sup>^</sup>	<30 H <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
MW-9	258.96	12/14/15	15.40	NM	243.56	1.97	<27	55 J B	<29	<0.42	<0.44 *	<0.51	<0.50	<0.17	NA	NA	NA	NA	LF

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-10	256.56	10/05/94	17.52	0.00	239.04	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	8.7	NA	P
MW-10	256.56	02/15/95	14.70	0.00	241.86	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	04/10/95	14.91	0.00	241.65	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	07/20/95	16.67	0.00	239.89	NM	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P
MW-10	256.56	10/25/95	16.22	0.00	240.34	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	01/23/96	13.40	0.00	243.16	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	04/17/96	15.27	0.00	241.29	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	07/08/96	15.85	0.00	240.71	NM	NA	382	<750	NA	NA	NA	NA	NA	NA	NA	NS	NS	P
MW-10	256.56	10/10/96	16.50	0.00	240.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	03/11/97	13.91	0.00	242.65	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	05/29/97	12.36	0.00	244.20	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	08/05/97	16.49	0.00	240.07	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	10/23/97	13.82	0.00	242.74	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	03/11/98	14.09	0.00	242.47	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	06/30/98	16.38	0.00	240.18	9.9	<50	<250	NA	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
MW-10	256.56	09/25/98	16.69	0.00	239.87	6.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	12/29/98	13.83	0.00	242.73	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	03/09/99	13.44	0.00	243.12	3.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	06/02/99	15.31	0.00	241.25	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	09/27/99	16.51	0.00	240.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	12/20/99	13.99	0.00	242.57	1.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	03/16/00	14.60	0.00	241.96	2.85	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
MW-10	256.56	06/30/00	16.17	0.00	240.39	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	09/27/00	17.02	0.00	239.54	4.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	11/10/00	16.02	0.00	240.54	2.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	03/19/01	15.55	0.00	241.01	2.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	06/27/01	16.11	0.00	240.45	3.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	09/26/01	16.90	0.00	239.66	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	12/03/01	14.05	0.00	242.51	1.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	06/06/02	15.95	0.00	240.61	3.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	06/26/03	16.30	0.00	240.26	5.7	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	23.4	NA	NA	1.06	<1.00	NP
MW-10	256.56	12/09/03	14.55	0.00	242.01	5.3	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
MW-10	256.56	04/07/04	15.36	0.00	241.20	3.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	11/16/04	16.00	0.00	240.56	2.08	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	16.8	NA	NA	<1.00	<1.00	NP
MW-10	256.56	03/29/05	14.88	0.00	241.68	2.3	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	13.8	<0.010	<0.500	1.72	NA	NP
MW-10	256.56	06/22/05	15.95	0.00	240.61	1.3	<80.0	<250	<500	0.240	<0.500	<0.500	<1.00	17.0	NA	NA	<1.00	<1.00	NP
MW-10	256.56	09/12/05	16.80	0.00	239.76	1.6	63.8	<333	<667	<0.500	3.28	<0.500	<1.00	19.7	NA	NA	<1.00	<1.00	NP
MW-10	256.56	12/06/05	15.13	0.00	241.43	4.3	<50.0	<291	<581	<0.500	<0.500	<0.500	<1.00	13.4	NA	NA	<1.00	<1.00	NP
MW-10	256.56	06/05/06	15.22	0.00	241.34	1.9	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	2.49	NA	NA	<1.00	<1.00	NP
MW-10	256.56	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	256.56	09/24/07	17.06	0.00	239.50	4.1	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	13.9	NA	NA	NA	NA	NP
MW-10	256.56	12/31/07	14.74	0.00	241.82	2.01	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	1.55	NA	NA	NA	NA	NP
MW-10	256.56	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-10	256.56	04/02/08	17.65	0.00	238.91	3.65	<50.0	<236	<472	<0.500	1.54	0.61	3.71	21.4	NA	NA	NA	NA	NP

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 ARCO Facility No. 0980  
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Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-10	256.56	07/01/08	18.15	0.00	238.41	2.77	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	91.5	NA	NA	NA	NA	NP
MW-10	256.56	10/03/08	18.83	0.00	237.73	3.3	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	110	NA	NA	NA	NA	NP
MW-10	256.56	01/06/09	16.96	0.00	239.60	3.4	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	35.5	NA	NA	NA	NA	NP
MW-10	256.56	04/08/09	16.88	0.00	239.68	5.3	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	4.59	NA	NA	<1.00	<1.00	NP
MW-10	256.56	07/08/09	16.76	0.00	239.80	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	10/06/09	17.32	0.00	239.24	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	01/05/10	14.69	0.00	241.87	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	05/25/10	15.57	0.00	240.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	08/19/10	16.68	0.00	239.88	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	12/07/10	15.15	0.00	241.41	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	01/26/11	13.78	0.00	242.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	06/16/11	15.41	0.00	241.15	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	09/22/11	17.88	0.00	238.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	12/06/11	17.11	0.00	239.45	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	03/08/12	15.34	0.00	241.22	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	06/19/12	15.63	0.00	240.93	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	09/21/12	16.89	0.00	239.67	0.28	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	1.2	NA	NA	<10.0	<10.0	NP
MW-10	256.56	12/11/12	13.59	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	256.56	06/26/13	15.77	0.00	240.79	1.04	<50	<250	<500	<0.50	0.55	<0.50	<1.0	0.78	NA	NA	<10	<10	LF, P
MW-10	256.56	09/25/13	16.42	0.00	240.14	1.05	<50	<270	<270	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-10	256.56	11/14/13	15.96	0.00	240.60	0.71	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	0.86	NA	NA	<10.0	<10.0	LF
MW-10	256.56	02/13/14	15.24	0.00	241.32	1.15	<50	42 J B	49 J B	<1.0	<1.0	<1.0	<3.0	0.51 J	NA	NA	<2.0	<2.0	LF
MW-10	256.56	04/02/14	13.63	0.00	242.93	3.42	<10	55 JB	64 JB	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	<0.17	<0.17	LF
MW-10	256.56	07/11/14	16.15	0.00	240.41	1.37	<10	64 JB	31 J	<0.14	<0.16	<0.13	<0.12	0.21 J	NA	NA	<0.17	<0.17	LF
MW-10	256.56	10/21/14	16.20	0.00	240.36	0.39	<50	89 J	<240	<1.0	<1.0	<1.0	<3.0	0.61 J	NA	NA	0.26 JB	<2.0	LF
MW-10	256.56	01/20/15	14.33	0.00	242.23	2.2	<27	58 JH <sup>1</sup> B <sup>A</sup>	<28 H <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	0.28 J	NA	NA	<0.17	<0.17	LF
MW-10	256.56	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
MW-11	NE	04/10/95	16.95	0.70	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	NE	07/20/95	19.04	0.02	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	NE	10/25/95	17.98	0.02	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	NE	01/23/96	13.35	SHEEN	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	NE	04/17/96	20.50	0.00	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	07/08/96	20.55	5.05	245.34	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	10/10/96	16.25	1.25	246.60	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	03/11/97	16.39	0.92	246.20	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	05/29/97	12.99	0.17	249.00	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	08/05/97	14.81	0.70	247.60	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	10/23/97	20.04	0.11	241.90	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	03/11/98	15.00	SHEEN	246.85	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	06/30/98	13.26	SHEEN	248.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	09/25/98	16.49	0.02	245.38	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	12/29/98	14.43	SHEEN	247.42	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	03/09/99	10.35	0.00	251.50	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	06/02/99	16.34	0.02	245.53	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	09/27/99	15.80	0.00	246.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	12/20/99	15.21	0.00	246.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	03/16/00	11.90	0.00	249.95	0.29	<50.0	15,000	24,900	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NA	NP
MW-11	261.85	06/30/00	17.35	SHEEN	244.50	1.9	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-11	261.85	09/27/00	18.20	0.06	243.70	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	11/10/00	17.28	0.02	244.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	03/19/01	17.16	0.01	244.70	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	06/27/01	16.80	0.00	245.05	0.19	11,500	700	<750	386	32.4	30.4	777	29.6	NA	NA	NA	NA	NA	NP
MW-11	261.85	09/26/01	15.30	<0.01	246.55	0.21	23,600	5,890	5,510	122	13.0	18.4	692	<20.0	NA	NA	NA	NA	NA	NP
MW-11	261.85	12/03/01	15.90	0.00	245.95	0.63	6,220	2,510	4,850	177	9.17	19.7	320	25.8	NA	NA	NA	NA	NA	NP
MW-11	261.85	06/06/02	16.84	0.00	245.01	0.4	5,710	5,170	6,790	192	4.66	30.8	456	<2.00	<0.01	<1.00	16.0	4.95	NP	
MW-11	261.85	06/26/03	17.49	0.04	244.39	NM	NS	NS	NS	301	5.01	120	568	<20.0	NA	NA	8.71	3.09	NP	
MW-11	261.85	12/09/03	16.19	0.00	245.66	1.4	4,650	1,610	2,910	99.2	3.00	48.9	314	14.8	NA	NA	2.94	1.14	NP	
MW-11	261.85	04/07/04	16.48	0.02	245.39	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	11/16/04	17.00	0.00	244.85	NM	NS	NS	NS	155	2.95	66.4	610	<10.0	NA	NA	32.1	2.06	NP	
MW-11	261.85	03/29/05	16.15	0.00	245.70	1.3	6,310	42,200	22,600	138	<2.50	90.6	145	<10.0	<0.010	<2.50	12.3	NA	NP	
MW-11	261.85	06/22/05	17.15	0.00	244.70	0.4	6,810	20,100	10,800	112	1.97	105	259	5.42	NA	NA	10.6	1.56	NP	
MW-11	261.85	09/12/05	17.99	0.00	243.86	NM	NS	NS	NS	217	<12.5	224	992	3.48	NA	NA	43	21.8	NP	
MW-11	261.85	12/06/05	16.68	0.00	245.17	NM	NS	NS	NS	148	<2.50	130	504	<5.00	NA	NA	33.1	3.1	NP	
MW-11	261.85	06/05/06	16.55	0.00	245.30	NM	NS	NS	NS	245	<5.00	149	529	<10.0	NA	NA	132	32.9	NP	
MW-11	261.85	09/29/06	20.90	0.00	240.95	4.4	4,840	NA	NA	4.44	0.57	2.84	47.5	NA	NA	NA	NA	NA	NP	
MW-11	261.85	12/19/06	15.25	0.00	246.60	3.0	1,630	NA	NA	5.0	<0.500	2.3	11.8	NA	NA	NA	NA	NA	NP	
MW-11	261.85	09/24/07	14.42	0.00	247.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	261.85	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-11	261.85	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-11	261.85	04/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-11	261.85	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
MW-11	261.85	10/03/08	21.82	0.00	240.03	1.8	1,310	2,950	5,910	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
MW-11	261.85	01/06/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
MW-11	261.85	04/08/09	19.20	0.00	242.65	1.1	69.5	349	<b>833</b>	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	5.67	1.48	NP	
MW-11	261.85	07/08/09	18.09	0.00	243.76	1.4	175	<b>714</b>	<b>1,370</b>	0.370	<0.500	<0.500	<1.00	<2.00	NA	NA	3.90	1.07	NP	
MW-11	261.85	10/06/09	18.77	0.00	243.08	2.5	410	<243	<485	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	2.6	<2.00	NP	
MW-11	261.85	01/05/10	16.14	0.00	245.71	2.8	290	140	270	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	<2.00	<2.00	NP	
MW-11	261.85	05/25/10	16.56	0.00	245.29	1.3	97	150	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	2.1	<2.00	NP	
MW-11	261.85	08/19/10	17.84	0.00	244.01	0.6	180	210	<240	<0.50	<0.50	<0.50	1.00	<1.00	NA	NA	3.2	<2.00	NP	
MW-11	261.85	12/07/10	16.95	0.00	244.90	1.1	190	170	280	<0.50	<0.50	<0.50	1.1	<1.0	NA	NA	2.3	<2.0	NP	
MW-11	261.85	01/26/11	14.91	0.00	246.94	2.6	81	210	<240	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP	
MW-11	261.85	06/16/11	16.29	0.00	245.56	2.6	77	<b>870</b>	<b>1,300</b>	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP	
MW-11	261.85	09/22/11	20.40	0.00	241.45	2.6	51	<b>1,310</b>	<b>3,220</b>	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	2.7	<2.0	NP	
MW-11	261.85	12/06/11	18.11	0.00	243.74	NM	<50.0	292	<b>726</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP	
MW-11	261.85	03/08/12	17.40	0.00	244.45	6.1	<50.0	179	<396	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP	
MW-11	261.85	06/19/12	16.80	0.00	245.05	NM	<50.0	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP	
MW-11	261.85	09/21/12	18.15	0.00	243.70	0.17	111	268	<b>777</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP	
MW-11	261.85	12/11/12	14.80	0.00	247.05	1.1	<100	<182	204	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP	
MW-11	261.85	06/27/13	16.88	0.00	244.97	0.55	<50	88	290	<0.50	0.50	<0.50	<1.00	<0.50	NA	NA	<10	<10	LF, P	
MW-11	261.85	09/26/13	17.90	0.00	243.95	0.58	63	<270	<270	<0.50	2.00	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF	
MW-11	261.85	11/15/13	17.07	0.00	244.78	0.20	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF	
MW-11	261.85	02/13/14	16.51	0.00	245.34	0.71	150	<b>1,500 BY</b>	<b>2,700 BY</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	1.1 J	<2.0	LF	
MW-11	261.85	04/02/14	14.52	0.00	247.33	0.72	25 J	<b>850 BY</b>	<b>1700 BY</b>	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	0.77 J	<0.17	LF	
MW-11	261.85	07/11/14	17.12	0.00	244.73	0.19	34 JB	360 BY	470 Y	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	0.81 J	<0.17	LF	
MW-11	261.85	10/22/14	17.54	0.00	244.31	0.17	58 B	430 Y	190 J	0.29 J	<1.0	<1.0	0.26 JB	<1.0	NA	NA	0.87 JB	<2.0	LF	
MW-11	261.85	01/21/15	15.60	0.00	246.25	0.29	33 J	230 H <sup>1</sup> BY <sup>^</sup>	180 J <sup>H</sup> <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	0.32 J	<0.17	LF	
MW-11	261.85	12/14/15	15.20	NM	246.65	0.58	48 J	170 B	95 J	<0.42	<0.44 *	<0.51	<0.50	<0.17	NA	NA	NA	NA	LF	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-12	257.84	07/11/96	11.69	0.00	246.15	NM	<b>2,620</b>	<b>618</b>	NA	<b>624</b>	174	41.6	164	NA	NA	NA	NA	NA	P
MW-12	257.84	10/10/96	13.63	0.00	244.21	NM	<b>1,720</b>	<250	<750	<b>264</b>	2.98	3.23	60.4	NA	NA	NA	NA	NA	P
MW-12	257.84	03/11/97	8.65	0.00	249.19	1.9	541	402	<750	4.02	1.01	<0.5	9.94	NA	NA	NA	NA	NA	NP
MW-12	257.84	05/29/97	11.17	0.00	246.67	4.1	<b>2,100</b>	<b>1,460</b>	<b>2,500</b>	<b>31.1</b>	0.530	<0.5	16.7	NA	NA	NA	NA	NA	NP
MW-12	257.84	08/05/97	11.68	0.00	246.16	5.3	<b>2,010</b>	<b>712</b>	<750	<b>193</b>	5.16	5.19	87.9	NA	NA	NA	NA	NA	NP
MW-12	257.84	10/23/97	11.41	0.00	246.43	4.6	358	<b>996</b>	<b>1,840</b>	<b>71.7</b>	<0.5	<0.5	5.78	NA	NA	NA	NA	NA	NP
MW-12	257.84	03/11/98	10.50	0.00	247.34	4.1	398	<250	<750	<b>204</b>	9.30	<1.0	18	NA	NA	NA	NA	NA	NP
MW-12	257.84	06/30/98	13.12	0.00	244.72	0.4	<b>8,070</b>	289	NA	<b>134</b>	<2.50	<5.00	<30.0	NA	NA	NA	NA	NA	NP
MW-12	257.84	09/25/98	13.57	0.06	244.32	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	12/29/98	11.37	0.00	246.47	1.2	313	<250	<750	<b>85.9</b>	<1.0	<1.0	5.80	NA	NA	NA	NA	NA	NP
MW-12	257.84	03/09/99	10.67	0.00	247.17	0.6	<b>6,920</b>	<b>770</b>	<b>1,810</b>	<b>62.1</b>	1.71	<3.0	<41.0	NA	NA	NA	NA	NA	NP
MW-12	257.84	06/02/99	12.48	SHEEN	245.36	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-12	257.84	09/27/99	13.76	0.26	244.29	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	12/20/99	11.64	0.40	246.52	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	03/16/00	11.75	0.01	246.10	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	06/30/00	13.45	SHEEN	244.39	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-12	257.84	09/27/00	14.00	0.16	243.97	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	11/10/00	13.28	0.25	244.76	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	03/19/01	13.20	0.20	244.80	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	06/27/01	13.95	0.03	243.91	NM	<b>33,600</b>	<b>679</b>	<750	<b>2,920</b>	452	275	<b>1,360</b>	<b>350</b>	NA	NA	NA	NA	NP
MW-12	257.84	09/26/01	14.10	0.02	243.76	0.14	<b>3,630,000</b>	<b>23,900</b>	<b>37,800</b>	<b>619</b>	<b>1,380</b>	<b>966</b>	<b>6,890</b>	<50.0	NA	NA	NA	NA	NP
MW-12	257.84	12/03/01	12.16	0.03	245.70	0.71	<b>27,600</b>	<b>4,450</b>	<b>7,690</b>	<b>4,180</b>	323	315	<b>1,580</b>	<b>386</b>	NA	NA	NA	NA	NP
MW-12	257.84	06/06/02	13.30	0.05	244.58	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
MW-12	257.84	06/26/03	13.52	0.27	244.54	NM	<b>17,000</b>	<b>62,300</b>	<b>87,100</b>	<b>712</b>	878	258	<b>1,780</b>	<20.0	NA	NA	<b>315</b>	4.93	NP
MW-12	257.84	12/09/03	12.18	0.02	245.68	1.1	<b>18,000</b>	<b>2,730</b>	<b>4,960</b>	<b>2,520</b>	338	142	<b>1,320</b>	<b>114</b>	NA	NA	4.77	4.84	NP
MW-12	257.84	04/07/04	12.71	0.00	245.13	1.3	<b>19,200</b>	<b>204,000</b>	<b>314,000</b>	<b>641</b>	655	201	<b>1,590</b>	<10.0	NA	NA	<b>536</b>	8.61	NP
MW-12	257.84	11/16/04	13.00	0.20	245.00	NM	<b>25,800</b>	<b>111,000</b>	<b>27,800</b>	<b>757</b>	<b>1,230</b>	283	<b>2,090</b>	<20.0	NA	NA	9.64	2.92	NP
MW-12	257.84	03/29/05	12.08	0.00	245.76	2.2	<b>18,600</b>	<b>2,150,000</b>	<b>590,000</b>	<b>462</b>	655	250	<b>2,470</b>	<40.0	<0.010	<10.0	<b>313</b>	NA	NP
MW-12	257.84	06/22/05	13.04	0.00	244.80	NM	<b>102,000</b>	<b>26,900</b>	<b>8,180</b>	<b>1,190</b>	434	350	<b>2,320</b>	<20.0	NA	NA	<b>38</b>	3.61	NP
MW-12	257.84	09/12/05	13.84	0.00	244.00	NM	<b>12,900</b>	<b>242,000</b>	<b>561,000</b>	<b>758</b>	631	250	<b>1480</b>	<2.00	NA	NA	<b>37.5</b>	4.64	NP
MW-12	257.84	12/06/05	12.26	0.00	245.58	NM	<b>18,800</b>	<b>145,000</b>	<b>290,000</b>	<b>481</b>	<b>1,480</b>	<b>1,560</b>	<b>11,600</b>	<100	NA	NA	<b>76.3</b>	12	NP
MW-12	257.84	06/05/06	12.11	0.00	245.73	NM	<b>11,400</b>	<b>14,300</b>	<b>27,700</b>	<b>721</b>	61.8	190	<b>1,170</b>	<20.0	NA	NA	3.23	1.52	NP
MW-12	257.84	09/29/06	17.50	0.00	240.34	NM	<b>16,700</b>	NA	NA	<b>272</b>	4.79	195	<b>1,020</b>	NA	NA	NA	NA	NA	NP
MW-12	257.84	12/19/06	10.87	0.00	246.97	NM	<b>41,400</b>	NA	NA	<b>346</b>	36.6	81.0	620	NA	NA	NA	NA	NA	NP
MW-12	257.84	09/24/07	14.30	0.00	243.54	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	257.84	12/31/07	12.12	0.00	245.72	2.30	<b>10,800</b>	<b>1,440</b>	<b>3,260</b>	<b>378</b>	7.48	104	503	<1.00	NA	NA	NA	NA	NP
MW-12	257.84	01/29/08	11.92	0.00	245.92	3.47	<b>11,100</b>	<b>619</b>	<b>1,510</b>	<b>409</b>	8.39	96.4	584	<1.00	NA	NA	NA	NA	NP
MW-12	257.84	04/03/08	19.67	0.00	238.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	257.84	07/01/08	17.26	0.00	240.58	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	257.84	10/03/08	19.78	0.00	238.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	257.84	01/06/09	12.93	0.00	244.91	1.4	<b>6,250</b>	358	<b>744</b>	4.2	0.89	22.5	186	<1.00	NA	NA	NA	NA	NP
MW-12	257.84	04/08/09	17.04	0.00	240.80	1.2	<b>4,420</b>	<b>722</b>	<b>1,170</b>	0.949	0.647	4.0	52.6	<1.00	NA	NA	<b>36</b>	7.86	NP
MW-12	257.84	07/08/09	13.67	0.00	244.17	1.9	<b>1,790</b>	<250	<500	<1.00	<2.50	<2.50	8.45	<10.0	NA	NA	8.45	5.61	NP
MW-12	257.84	10/06/09	14.25	0.00	243.59	2.3	<b>3,600</b>	<b>2,210</b>	<b>2,040</b>	1.9	<1.00	1.0	9.3	<1.00	NA	NA	4.2	<2.00	NP

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 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
MW-12	257.84	01/06/10	12.09	0.00	245.75	4.8	<b>3,700</b>	<b>5,500</b>	<b>1,100</b>	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	4.8	2.0	NP
MW-12	257.84	05/25/10	12.37	0.00	245.47	2.0	<b>2,900</b>	<b>3,800</b>	<b>2,900</b>	<0.50	<0.50	<0.50	4.4	<1.00	NA	NA	2.6	<2.00	NP
MW-12	257.84	08/19/10	13.30	0.00	244.54	0.9	<b>1,800</b>	<b>2,000</b>	380	0.89	0.59	0.51	3.4	<1.00	NA	NA	3.5	<2.00	NP
MW-12	257.84	12/07/10	12.28	0.00	245.56	2.2	<b>2,300</b>	<b>1,700</b>	<b>1,300</b>	1.9	0.66	0.51	3.6	<1.0	NA	NA	2.3	<2.0	NP
MW-12	257.84	01/26/11	10.83	0.00	247.01	1.9	610	<b>1,100</b>	<b>2,900</b>	<0.50	<0.50	<0.50	1.2	<1.0	NA	NA	<2.0	<2.0	NP
MW-12	257.84	06/16/11	12.20	0.00	245.64	1.8	860	<b>2,600</b>	<b>1,900</b>	<0.50	<0.50	<0.50	1.7	<1.0	NA	NA	<2.0	<2.0	NP
MW-12	257.84	09/22/11	16.41	0.00	241.43	1.7	<b>1,800</b>	<b>8,770</b>	<b>15,200</b>	1.5	<0.50	0.69	7.0	<1.0	NA	NA	<b>21</b>	<2.0	NP
MW-12	257.84	12/06/11	17.17	0.00	240.67	NM	<b>9,590</b>	<b>14,500</b>	<b>38,600</b>	2.5	<1.0	1.3	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-12	257.84	03/08/12	14.07	0.00	243.77	6.1	<b>1,460</b>	298	<400	1.7	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-12	257.84	06/19/12	12.23	0.00	245.61	NM	<50.0	266	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-12	257.84	09/21/12	13.63	0.00	244.21	0.17	968	<b>1,030</b>	<b>2,860</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
MW-12	257.84	12/11/12	10.10	0.00	247.74	1.8	<100	<b>542</b>	<b>1,890</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP
MW-12	257.84	06/27/13	12.58	0.00	245.26	1.05	170	120	380	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
MW-12	257.84	09/26/13	13.45	0.00	244.39	0.48	210	<260	<b>830</b>	0.63	1.3	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-12	257.84	11/15/13	12.50	0.00	245.34	0.20	86 Y	400 H	<b>1,200 O</b>	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
MW-12	257.84	02/13/14	12.19	0.00	245.65	0.54	170	<b>940 B Y</b>	<b>1,400 B Y</b>	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	0.57 J	<2.0	LF
MW-12	257.84	04/02/14	10.28	0.00	247.56	2.17	15 J	190 BY	320 BY	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	0.36 J	<0.17	LF
MW-12	257.84	07/11/14	12.69	0.00	245.15	0.47	100 B	460 BY	300 Y	0.35 J	<0.16	<0.13	<0.12	<0.17	NA	NA	0.54 J	<0.17	LF
MW-12	257.84	10/22/14	13.08	0.00	244.76	0.26	770 B	<b>830 Y</b>	<b>790 Y</b>	3.9	0.46 J	0.91 J	1.4 JB	<1.0	NA	NA	4.0 B	<2.0	LF
MW-12	257.84	01/21/15	11.59	0.00	246.25	0.15	100	250 H <sup>1</sup> BY <sup>^</sup>	250 H <sup>1</sup> Y <sup>^</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	0.60 J	<0.17	LF
MW-12	257.84	12/16/15	10.76	NM	247.08	0.57	170	<b>1,300</b>	<b>1,900</b>	0.64 J *	<0.44 *	<0.51 *	<0.50	<0.17	NA	NA	NA	NA	LF

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
VP-1	257.42	10/05/94	15.20	0.00	242.22	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	27	NA	P
VP-1	257.42	02/15/95	12.47	0.00	244.95	NM	<50	<250	<1,000	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	<2.0	NA	P, *, a
VP-1	257.42	04/11/95	13.44	0.00	243.98	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-1	257.42	07/20/95	14.00	0.00	243.42	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-1	257.42	10/26/95	14.08	0.00	243.34	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-1	257.03	01/23/96	11.97	0.00	245.06	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P, **
VP-1	257.03	04/17/96	12.80	0.00	244.23	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-1	257.03	07/08/96	11.45	0.00	245.58	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-1	257.03	10/10/96	14.17	0.00	242.86	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	03/11/97	12.10	0.00	244.93	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	35579.00	11.11	0.00	245.92	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	35647.00	12.01	0.00	245.02	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	10/23/97	14.11	0.00	242.92	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	03/11/98	9.88	0.00	247.15	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	06/30/98	14.14	0.00	242.89	8.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	09/25/98	14.08	0.00	242.95	6.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	12/29/98	11.50	0.00	245.53	11.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	03/09/99	10.55	0.00	246.48	11.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	06/02/99	12.35	0.00	244.68	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	09/27/99	13.72	0.00	243.31	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	12/20/99	11.40	0.00	245.63	4.8	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-1	257.03	03/16/00	12.60	0.00	244.43	4.04	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-1	257.03	06/30/00	13.54	0.00	243.49	6.1	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-1	257.03	09/27/00	14.49	0.00	242.54	4.80	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-1	257.03	11/10/00	13.91	0.00	243.12	5.41	<80.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-1	257.03	03/19/01	13.40	0.00	243.63	5.61	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	6.23	NA	NA	NA	NA	NP
VP-1	257.03	06/27/01	13.75	0.00	243.28	4.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	09/26/01	14.25	0.00	242.78	3.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	12/03/01	12.48	0.00	244.55	1.28	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	155	NA	NA	NA	NA	NP
VP-1	257.03	06/06/02	13.30	0.00	243.73	6.2	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	3.57	<0.01	<1.00	17.9	<1.00	NP
VP-1	257.03	06/26/03	13.85	0.00	243.18	5.1	137	<250	<500	0.521	<0.500	1.05	5.25	5.55	NA	NA	6.48	<1.00	NP
VP-1	257.03	12/09/03	12.70	0.00	244.33	4.4	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	34.1	NA	NA	1.44	<1.00	NP
VP-1	257.03	04/07/04	12.43	0.00	244.60	3.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	1.19	NA	NA	3.21	<1.00	NP
VP-1	257.03	11/16/04	13.15	0.00	243.88	4.94	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	34.2	<1.00	NP
VP-1	257.03	03/29/05	12.40	0.00	244.63	5.0	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	<0.010	<0.500	<1	NA	NP
VP-1	257.03	06/22/05	12.98	0.00	244.05	4.2	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	1.21	<1.00	NP
VP-1	257.03	09/12/05	14.05	0.00	242.98	3.5	<50.0	<287	<575	<0.500	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
VP-1	257.03	12/06/05	13.65	0.00	243.38	4.2	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	6.63	NA	NA	<1.00	<1.00	NP
VP-1	257.03	06/05/06	11.81	0.00	245.22	4.4	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	2.72	<1.00	NP
VP-1	257.03	09/29/06	17.48	0.00	239.55	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	12/19/06	11.17	0.00	245.86	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1	257.03	09/24/07	13.87	0.00	243.16	5.8	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-1	257.03	12/31/07	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
VP-1	257.03	01/30/08	13.08	0.00	243.95	4.53	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	1.09	NA	NP
VP-1	257.03	04/02/08	15.55	0.00	241.48	2.54	<50.0	<236	<472	<0.500	1.1	<0.500	<3.00	1.56	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
VP-1	257.03	07/01/08	15.18	0.00	241.85	5.28	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-1	257.03	10/03/08	17.58	0.00	239.45	3.0	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-1	257.03	01/06/09	17.07	0.00	239.96	3.3	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-1	257.03	04/08/09	16.64	0.00	240.39	7.1	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	12	<1.00	NP
VP-1	257.03	07/08/09	14.08	0.00	242.95	8.7	<80.0	<245	<490	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	7.86	<1.00	NP
VP-1	257.03	10/06/09	14.85	0.00	242.18	8.1	650	<238	<476	<1.00	4.1	6.7	41	<1.00	NA	NA	<2.00	<2.00	NP
VP-1	257.03	01/06/10	13.51	0.00	243.52	3.7	<50.0	<120	<240	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	<2.00	<2.00	NP
VP-1	257.03	05/25/10	13.03	0.00	244.00	6.4	<50.0	<120	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	<2.00	<2.00	NP
VP-1	257.03	08/19/10	13.93	0.00	243.10	5.4	<50.0	<120	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	2.3	<2.00	NP
VP-1	257.03	12/07/10	13.07	0.00	243.96	8.4	<50	<120	<240	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
VP-1	257.03	01/26/11	11.40	0.00	245.63	7.2	<50	<120	<240	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
VP-1	257.03	06/16/11	13.09	0.00	243.94	8.4	<50	140	250	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	2.2	<2.0	NP
VP-1	257.03	09/22/11	15.67	0.00	241.36	5.5	<50	<95.2	<476	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
VP-1	257.03	12/06/11	16.10	0.00	240.93	NM	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
VP-1	257.03	03/08/12	14.32	0.00	242.71	6.1	<50.0	<82.5	<412	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
VP-1	257.03	06/19/12	13.25	0.00	243.78	NM	<50.0	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
VP-1	257.03	09/21/12	14.25	0.00	242.78	0.60	<50.0	<80.8	<404	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	10.9	<10.0	NP
VP-1	257.03	12/11/12	13.43	0.00	243.60	4.5	<100	<189	<189	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
VP-1S	257.03	06/26/13	12.89	NM	244.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	09/26/13	14.01	NM	243.02	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	11/15/13	13.45	NM	243.58	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	02/12/14	12.97	NM	244.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	04/01/14	10.99	0.00	246.04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	07/09/14	13.35	0.00	243.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	10/20/14	13.71	0.00	243.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	01/19/15	11.96	0.00	245.07	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1S	257.03	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	06/26/13	13.42	NM	243.61	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	09/26/13	14.11	NM	242.92	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	11/15/13	13.16	NM	243.87	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	02/13/14	13.25	NM	243.78	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	04/01/14	11.98	0.00	245.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	07/09/14	13.70	0.00	243.33	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	10/20/14	13.81	0.00	243.22	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	01/19/15	12.02	0.00	245.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-1D	257.03	12/14/15	12.10	NM	244.93	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
VP-2	257.03	10/05/94	14.64	0.00	242.39	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	8.2	NA	P
VP-2	257.03	02/15/95	14.77	0.00	242.26	NM	NA	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P, *
VP-2	257.03	04/10/95	13.24	0.00	243.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	P
VP-2	257.03	07/20/95	13.43	0.00	243.60	NM	NA	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P
VP-2	257.03	10/26/95	13.67	0.00	243.36	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	01/23/96	11.80	0.00	244.71	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
VP-2	256.51	04/17/96	14.95	0.00	241.56	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	07/08/96	12.40	0.00	244.11	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	10/10/96	16.96	0.00	239.55	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
VP-2	256.51	03/11/97	10.98	0.00	245.53	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	05/29/97	10.03	0.00	246.48	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	08/05/97	13.08	0.00	243.43	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	10/23/97	14.21	0.00	242.30	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	03/11/98	10.11	0.00	246.40	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	06/30/98	13.74	0.00	242.77	10.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	09/25/98	13.67	0.00	242.84	5.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	12/29/98	11.00	0.00	245.51	2.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	03/09/99	10.19	0.00	246.32	7.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	06/02/99	11.99	0.00	244.52	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	09/27/99	13.55	0.00	242.96	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	12/20/99	10.97	0.00	245.54	1.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	03/16/00	11.66	0.00	244.85	2.35	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-2	256.51	06/30/00	12.76	0.00	243.75	4.2	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-2	256.51	09/27/00	14.68	0.00	241.83	2.75	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
VP-2	256.51	11/10/00	13.79	0.00	242.72	3.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	03/19/01	13.70	0.00	242.81	2.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	06/27/01	13.10	0.00	243.41	3.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	09/26/01	13.86	0.00	242.65	1.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	12/03/01	13.05	0.00	243.46	1.73	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	NA	NA	NP
VP-2	256.51	06/06/02	12.70	0.00	243.81	4.2	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<2.00	<0.01	<1.00	5.21	<1.00	NP
VP-2	256.51	06/26/03	15.34	0.00	241.17	5.5	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	22.9	NA	NA	9.19	<1.00	NP
VP-2	256.51	12/09/03	13.08	0.00	243.43	6.9	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
VP-2	256.51	04/07/04	12.35	0.00	244.16	3.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	11/16/04	13.15	0.00	243.36	3.20	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	1.35	<1.00	NP
VP-2	256.51	03/29/05	12.40	0.00	244.11	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	06/22/05	15.51	0.00	241.00	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	09/12/05	16.72	0.00	239.79	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	12/06/05	12.80	0.00	243.71	4.0	<50.0	<248	<495	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
VP-2	256.51	06/05/06	11.94	0.00	244.57	1.1	<50.0	<245	<490	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
VP-2	256.51	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2	256.51	09/24/07	15.29	0.00	241.22	7.4	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	8.74	NA	NA	NA	NA	NP
VP-2	256.51	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
VP-2	256.51	01/30/08	14.11	0.00	242.40	1.93	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	7.59	NA	NA	NA	NA	NP
VP-2	256.51	04/02/08	16.37	0.00	240.14	1.24	<50.0	<236	<472	<0.500	0.79	<0.500	<3.00	3.89	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
VP-2	256.51	07/01/08	13.17	0.00	243.34	2.99	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-2	256.51	10/03/08	14.10	0.00	242.41	4.7	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-2	256.51	01/06/09	17.02	0.00	239.49	4.8	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
VP-2	256.51	04/08/09	13.72	0.00	242.79	3.3	<50.0	<240	<481	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	<b>20.5</b>	<1.00	NP
VP-2	256.51	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	09/22/11	16.46	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP
VP-2	256.51	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
VP-2S	256.51	06/26/13	12.67	NM	243.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	09/25/13	13.21	NM	243.30	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	11/15/13	13.05	NM	243.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	02/12/14	12.63	NM	243.88	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	04/01/14	11.31	0.00	245.20	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	07/09/14	12.07	0.00	244.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	10/20/14	12.89	0.00	243.62	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	01/19/15	11.70	0.00	244.81	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2S	256.51	01/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	06/26/13	14.43	NM	242.08	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	09/25/13	15.09	NM	241.42	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	11/15/13	14.68	NM	241.83	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	02/13/14	14.20	NM	242.31	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	04/01/14	12.34	0.00	244.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	07/09/14	14.69	0.00	241.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	10/20/14	14.96	0.00	241.55	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	01/19/15	13.00	0.00	243.51	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
VP-2D	256.51	12/14/15	12.61	NM	243.90	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-1	261.76	04/11/95	6.57	0.00	255.19	NM	57	NA	NA	1.4	<0.5	<0.5	3.8	NA	NA	NA	NA	NA	P
BV-1	261.76	07/20/95	7.38	0.00	254.38	NM	96	320	NA	2.7	<0.5	1	9.5	NA	NA	NA	NA	NA	P
BV-1	261.76	10/26/95	6.98	0.00	254.78	NM	<b>2,500</b>	NA	NA	<b>94</b>	30	26	160	NA	NA	NA	NA	NA	P
BV-1	261.76	01/23/96	5.49	0.00	256.27	NM	200	<250	<750	4.5	0.65	1.6	17	NA	NA	NA	NA	NA	P
BV-1	261.76	04/17/96	6.75	0.00	255.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	07/08/96	7.00	0.00	254.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	10/10/96	7.36	0.00	254.40	NM	94.3	<250	<750	1.20	<0.5	0.614	4.72	NA	NA	NA	NA	NA	P
BV-1	261.76	03/11/97	5.12	0.00	256.64	0.5	86.5	NA	NA	2.77	0.509	1.16	10.4	NA	NA	NA	NA	NA	NP
BV-1	261.76	05/29/97	6.02	0.00	255.74	0.9	204	<250	<750	3.81	0.656	1.95	19.1	NA	NA	NA	NA	NA	NP
BV-1	261.76	08/05/97	6.92	0.00	254.84	3.9	85.1	<250	<750	1.24	<0.5	0.588	4.42	NA	NA	NA	NA	NA	NP
BV-1	261.76	10/23/97	7.17	0.00	254.59	1.9	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
BV-1	261.76	03/11/98	5.65	0.00	256.11	3.1	<80	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
BV-1	261.76	06/30/98	7.34	0.00	254.42	0.6	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
BV-1	261.76	09/25/98	8.01	0.00	253.75	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/29/98	7.00	0.00	254.76	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	03/09/99	6.51	0.00	255.25	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/02/99	7.30	0.00	254.46	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/27/99	7.62	0.00	254.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/20/99	6.40	0.00	255.36	1.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	03/16/00	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/30/00	7.38	0.00	254.38	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/27/00	7.87	0.00	253.89	0.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	11/10/00	6.75	0.00	255.01	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	03/19/01	6.54	0.00	255.22	0.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-1	261.76	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	06/25/13	7.04	NM	254.72	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	09/25/13	7.36	NM	254.40	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	11/14/13	7.05	NM	254.71	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	02/13/14	6.69	NM	255.07	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	04/01/14	5.89	0.00	255.87	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	07/09/14	7.05	0.00	254.71	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	10/20/14	7.20	0.00	254.56	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	01/19/15	6.42	0.00	255.34	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-1	261.76	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-2	261.42	04/10/95	8.83	0.00	252.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	07/20/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/26/95	9.67	0.00	251.75	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	01/23/96	7.76	0.00	253.66	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	04/17/96	9.10	0.00	252.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	07/08/96	9.25	0.00	252.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/10/96	9.63	0.00	251.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/11/97	7.31	0.00	254.11	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	05/29/97	7.01	0.00	254.41	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	08/05/97	8.06	0.00	253.36	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/23/97	11.03	0.00	250.39	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/11/98	7.76	0.00	253.66	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/30/98	9.29	0.00	252.13	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/25/98	10.16	0.00	251.26	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/29/98	8.92	0.00	252.50	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/09/99	8.33	0.00	253.09	2.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/02/99	9.32	0.00	252.10	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/27/99	9.37	0.00	252.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/20/99	7.59	0.00	253.83	0.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/16/00	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/30/00	9.40	0.00	252.02	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/27/00	10.08	0.00	251.34	0.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	11/10/00	8.86	0.00	252.56	0.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/19/01	8.78	0.00	252.64	1.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-2	261.42	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	06/25/13	9.66	NM	251.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	09/25/13	10.23	NM	251.19	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	11/14/13	8.78	NM	252.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	02/13/14	6.74	NM	254.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	04/01/14	5.75	0.00	255.67	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	07/09/14	9.83	0.00	251.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	10/20/14	10.10	0.00	251.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	01/19/15	8.83	0.00	252.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-2	261.42	12/14/15	7.57	NM	253.85	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
BV-3	261.60	03/03/95	11.40	0.00	250.20	NM	NA	14,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P
BV-3	261.60	04/10/95	11.79	0.00	249.81	NM	36,000	NA	NA	5,000	4,500	690	3,300	NA	NA	NA	NA	NA	NA	P
BV-3	261.60	07/20/95	11.15	0.00	250.45	NM	62,000	9,800	NA	6,000	8,100	1,400	8,500	NA	NA	NA	NA	NA	NA	P
BV-3	261.60	10/26/95	11.44	0.00	250.16	NM	82,000	5,100	2,600	6,600	8,800	1,700	13,000	NA	NA	NA	NA	NA	NA	P
BV-3	261.60	01/23/96	10.65	0.00	250.95	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.60	04/17/96	6.61	0.00	254.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	NE	07/08/96	10.72	0.00	NE	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	10/10/96	8.40	0.00	253.07	NM	13,700	3,730	<750	684	574	84.7	1,940	NA	NA	NA	NA	NA	NA	P
BV-3	261.47	03/11/97	12.07	0.00	249.40	0.6	40,700	5,810	<750	2,140	6,610	989	7,370	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	05/29/97	9.13	0.00	252.34	0.7	<50	414	<750	0.638	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	08/05/97	9.53	0.00	251.94	1.1	556	1,440	<750	8.75	3.14	3.01	53.1	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	10/23/97	9.06	0.00	252.41	0.8	<50	661	<750	<0.5	<0.5	<0.5	1.63	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	03/11/98	7.00	0.00	254.47	0.9	<80	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	06/30/98	7.68	0.00	253.79	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/25/98	8.00	0.00	253.47	4.7	18,300	524	<750	644	1,180	638	4,210	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	12/29/98	9.34	0.00	252.13	1.7	181	<250	<750	0.997	<0.5	<0.5	10.2	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	03/09/99	5.39	0.00	256.08	4.5	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	06/02/99	12.85	0.00	248.62	0.4	5,380	<250	<750	206	178	235	926	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	09/27/99	9.55	0.00	251.92	NM	94.2	<250	NA	<0.500	<0.500	<0.500	4.93	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	12/20/99	9.90	0.00	251.57	1.63	<50.0	<282	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	03/16/00	8.15	0.00	253.32	1.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/30/00	12.16	0.00	249.31	2.9	1,110	507	<750	77.6	5.21	10.9	148	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	09/27/00	14.52	0.00	246.95	0.72	3,170	863	<750	62.3	4.47	119	333	NA	NA	NA	NA	NA	NA	NP
BV-3	261.47	11/10/00	13.39	0.00	248.08	0.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	03/19/01	13.30	0.00	248.17	1.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-3	261.47	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	06/25/13	14.30	NM	247.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	09/25/13	15.15	NM	246.32	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	11/14/13	14.42	NM	247.05	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	02/13/14	13.75	NM	247.72	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	04/01/14	12.01	0.00	249.46	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	07/09/14	14.65	0.00	246.82	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	10/20/14	14.87	0.00	246.60	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	01/19/15	13.41	0.00	248.06	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-3	261.47	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
BV-4	261.16	04/10/95	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	07/20/95	DRY	0.00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	10/26/95	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	01/23/96	9.51	0.00	251.65	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	04/17/96	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	07/08/96	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	10/10/96	8.35	0.00	252.81	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	03/11/97	9.96	0.00	251.20	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	05/29/97	8.40	0.00	252.76	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	08/05/97	9.40	0.00	251.76	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	10/23/97	12.16	0.00	249.00	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	03/11/98	8.86	0.00	252.30	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/30/98	6.54	0.00	254.62	5.1	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
BV-4	261.16	09/25/98	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/29/98	9.01	0.00	252.15	3.9	<100	<250	<750	7.59	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA	NP
BV-4	261.16	03/09/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/02/99	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/27/99	9.58	0.00	251.58	NM	<50.0	<250	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NA	NP
BV-4	261.16	12/20/99	DRY	DRY	DRY	1.35	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	03/16/00	6.47	0.00	254.69	1.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/30/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	09/27/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	11/10/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	03/19/01	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-4	261.16	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-4	261.16	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	06/25/13	DRY	DRY	DRY	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	09/25/13	DRY	DRY	DRY	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	11/14/13	DRY	DRY	DRY	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	02/13/14	10.02	NM	251.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	04/01/14	9.09	0.00	252.07	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	07/09/14	DRY	DRY	DRY	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	10/20/14	DRY	DRY	DRY	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-4	261.16	01/19/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
BV-4	262.16	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
BV-5	261.75	03/03/95	9.16	0.00	252.59	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	04/10/95	9.21	0.00	252.54	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	07/20/95	9.45	0.00	252.30	NM	<b>26,000</b>	<b>18,000</b>	<b>30,000</b>	<b>3,700</b>	110	540	<b>2,200</b>	NA	NA	NA	NA	NA	NA	P
BV-5	261.75	10/26/95	9.76	0.00	251.99	NM	<b>42,000</b>	<b>8,200</b>	<b>12,000</b>	<b>4,000</b>	520	440	<b>2,100</b>	NA	NA	NA	NA	NA	NA	P
BV-5	261.75	01/23/96	8.49	0.00	253.26	NM	<b>1,300,000</b>	<b>7,100</b>	<b>8,500</b>	<b>4,400</b>	970	<b>760</b>	<b>4,400</b>	NA	NA	NA	NA	NA	NA	P
BV-5	261.75	04/17/96	9.32	0.00	252.43	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	07/08/96	10.00	0.00	251.75	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	10/10/96	10.25	SHEEN	251.50	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
BV-5	261.75	03/11/97	7.96	SHEEN	253.79	0.5	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
BV-5	261.75	05/29/97	6.91	SHEEN	254.84	2.9	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
BV-5	261.75	08/05/97	9.75	SHEEN	252.00	9.6	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
BV-5	261.75	10/23/97	9.63	0.00	252.12	3.9	771	<b>1,150</b>	<b>4,130</b>	1.57	<0.5	3.31	3.34	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	03/11/98	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	06/30/98	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	09/25/98	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	12/29/98	10.04	0.00	251.71	2.6	848	<250	<750	<b>79.1</b>	<1.25	41.8	8.45	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	03/09/99	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	06/02/99	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	09/27/99	10.41	0.00	251.34	NM	809	<b>3500</b>	NA	<b>68.7</b>	<1.00	25.1	<2.00	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	12/20/99	9.30	0.00	252.45	0.23	416	<b>506</b>	NA	<b>53.7</b>	2.05	3.47	9.94	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	03/16/00	10.00	0.00	251.75	0.39	<b>3,900</b>	<b>13,000</b>	<8,250	<b>145</b>	<0.500	101	43.3	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	06/30/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	09/27/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	11/10/00	9.55	0.00	252.20	1.46	<b>9,340</b>	<250	<750	<b>242</b>	993	242	876	NA	NA	NA	NA	NA	NA	NP
BV-5	261.75	03/19/01	9.47	0.00	252.28	0.57	<b>4,540</b>	<b>781</b>	<750	<b>84.4</b>	100	99.5	289	<5.00	NA	NA	NA	NA	NA	NP
BV-5	261.75	06/27/01	10.30	0.00	251.45	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	09/26/01	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BV-5	261.75	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BV-5	261.75	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-5	261.75	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	06/25/13	9.31	NM	252.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	09/25/13	9.60	NM	252.15	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	11/14/13	9.21	NM	252.54	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	02/13/14	8.91	NM	252.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	04/01/14	8.31	0.00	253.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	07/09/14	9.39	0.00	252.36	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	10/20/14	9.55	0.00	252.20	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	01/19/15	8.76	0.00	252.99	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-5	261.75	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-6	261.60	04/10/95	8.68	0.00	252.92	NM	120	NA	NA	160	4.4	0.61	8.9	NA	NA	NA	NA	NA	P
BV-6	261.60	07/20/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/26/95	9.13	0.00	252.47	NM	<50	NA	NA	98	2.4	<0.5	3.3	NA	NA	NA	NA	NA	P
BV-6	261.60	01/23/96	7.77	0.00	253.83	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	04/17/96	8.88	0.00	252.72	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	07/08/96	9.10	0.00	252.50	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/10/96	9.30	0.00	252.30	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/11/97	8.05	0.00	253.55	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	05/29/97	7.90	0.00	253.70	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	08/05/97	8.19	0.00	253.41	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/23/97	11.27	0.00	250.33	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/11/98	9.58	0.00	252.02	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/30/98	10.32	0.00	251.28	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/25/98	9.82	0.00	251.78	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/29/98	8.94	0.00	252.66	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/09/99	9.38	0.00	252.22	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/02/99	9.25	0.00	252.35	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/20/99	8.48	0.00	253.12	1.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/16/00	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/30/00	9.38	0.00	252.22	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/27/00	9.85	0.00	251.75	0.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	11/10/00	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/19/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-6	261.60	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	06/25/13	9.19	NM	252.41	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	09/25/13	9.48	NM	252.12	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	11/14/13	8.99	NM	252.61	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	02/13/14	8.63	NM	252.97	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	04/01/14	7.72	0.00	253.88	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	07/09/14	9.22	0.00	252.38	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	10/20/14	9.34	0.00	252.26	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	01/19/15	8.43	0.00	253.17	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-6	261.60	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-7	262.11	04/10/95	17.11	1.61	246.29	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	07/20/95	17.97	1.63	245.44	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	10/25/95	16.45	0.01	245.67	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
BV-7	262.11	01/23/96	14.79	NM	NM	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
BV-7	262.11	04/17/96	13.87	0.00	248.24	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	07/08/96	12.00	0.00	250.11	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	10/10/96	13.92	0.01	248.20	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
BV-7	262.11	03/11/97	14.98	0.00	247.13	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	05/29/97	12.06	0.00	250.05	0.9	<b>28,300</b>	<b>28,500</b>	<b>62,700</b>	<b>289</b>	281	4.7	907	NA	NA	NA	NA	NA	NP
BV-7	262.11	08/05/97	12.67	0.00	249.44	1.4	<b>12,500</b>	<b>32,700</b>	<b>75,900</b>	<b>686</b>	441	<12.5	751	NA	NA	NA	NA	NA	NP
BV-7	262.11	10/23/97	12.54	0.00	249.57	0.8	<b>16,200</b>	<b>42,400</b>	<b>134,000</b>	<b>769</b>	<b>1,350</b>	15.2	<b>1,440</b>	NA	NA	NA	NA	NA	NP
BV-7	262.11	03/11/98	11.60	0.00	250.51	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/30/98	12.74	SHEEN	249.37	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	
BV-7	262.11	09/25/98	16.02	0.00	246.09	1.4	<b>209,000</b>	<b>53,300</b>	<b>148,000</b>	<b>6,460</b>	<b>7,020</b>	750	<b>11,300</b>	NA	NA	NA	NA	NA	NP
BV-7	262.11	12/29/98	13.03	0.00	249.08	3.1	<b>14,700</b>	<b>35,700</b>	<b>78,800</b>	<b>7.33</b>	14.9	<4.0	<160	NA	NA	NA	NA	NA	NP
BV-7	262.11	03/09/99	10.05	0.00	252.06	NM	<b>1,490</b>	<b>53,700</b>	<b>133,000</b>	<b>16.8</b>	30.8	4.32	54.5	NA	NA	NA	NA	NA	NP
BV-7	262.11	06/02/99	15.26	0.00	246.85	NM	<b>18,100</b>	<b>57,900</b>	<b>122,000</b>	<b>4,790</b>	<b>3,510</b>	91.8	<b>1,410</b>	NA	NA	NA	NA	NA	NP
BV-7	262.11	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/20/99	11.88	0.00	250.23	1.9	580	<250	NA	<b>29.3</b>	2.01	1.34	78.8	NA	NA	NA	NA	NA	NP
BV-7	262.11	03/16/00	11.65	0.00	250.46	1.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/30/00	16.58	0.00	245.53	1.9	<b>6,130</b>	<b>122,000</b>	<b>271,000</b>	<b>1,290</b>	249	<25.0	826	NA	NA	NA	NA	NA	NP
BV-7	262.11	09/27/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
BV-7	262.11	11/10/00	16.81	0.00	245.30	0.69	<b>24,400</b>	<b>335,000</b>	<b>377,000</b>	<b>1,910</b>	385	91.1	<b>1,220</b>	NA	NA	NA	NA	NA	NP
BV-7	262.11	03/19/01	16.85	0.00	245.26	0.99	<b>13,100</b>	<b>3,060</b>	<938	<b>1,880</b>	524	103	<b>2,110</b>	<b>57.2</b>	NA	NA	NA	NA	NP
BV-7	262.11	06/27/01	16.50	0.00	245.61	0.39	<b>11,900</b>	<b>2,940</b>	<750	<b>1,250</b>	515	89.1	<b>2,070</b>	<b>52.9</b>	NA	NA	NA	NA	NP, d
BV-7	262.11	09/26/01	14.50	0.00	247.61	0.66	<b>9,090</b>	<b>23,100</b>	<b>49,000</b>	<b>645</b>	113	49.5	739	<50.0	NA	NA	NA	NA	NP
BV-7	262.11	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
BV-7	262.11	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	06/25/13	14.41	NM	247.70	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	09/25/13	15.47	NM	246.64	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	11/14/13	14.86	NM	247.25	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	02/13/14	14.27	NM	247.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	04/01/14	11.97	0.00	250.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	07/09/14	14.84	0.00	247.27	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	10/20/14	15.17	0.00	246.94	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	01/19/15	13.14	0.00	248.97	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BV-7	262.11	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-1	258.02	10/05/94	15.37	0.00	242.65	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	61	NA	P
SVE-1	258.02	02/15/95	12.18	0.00	245.84	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.02	04/10/95	12.05	0.00	245.97	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.02	07/20/95	13.95	0.00	244.07	NM	<50	380	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
SVE-1	258.02	10/25/95	14.23	0.00	243.79	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	01/23/96	11.45	0.00	246.04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
SVE-1	257.49	04/17/96	12.38	0.00	245.11	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	07/08/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	10/10/96	13.97	0.00	243.52	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	03/11/97	12.32	0.00	245.17	NM	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	05/29/97	10.19	0.00	247.30	NM	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	08/05/97	15.82	0.00	241.67	NM	4.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	10/23/97	11.26	0.00	246.23	NM	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	03/11/98	10.27	0.00	247.22	NM	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	06/30/98	14.04	0.00	243.45	NM	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	09/25/98	14.12	0.00	243.37	NM	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	12/29/98	11.99	0.00	245.50	NM	10.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	03/09/99	10.15	0.00	247.34	NM	12.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	06/02/99	12.19	0.00	245.30	NM	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	12/20/99	11.65	0.00	245.84	NM	5.5	<50.0	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-1	257.49	03/16/00	12.85	0.00	244.64	NM	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	06/30/00	13.38	0.00	244.11	NM	2.7	<50.0	<250	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-1	257.49	09/27/00	14.62	0.00	242.87	NM	0.83	<50.0	309	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-1	257.49	11/10/00	14.30	0.00	243.19	NM	0.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	03/19/01	13.20	0.00	244.29	NM	0.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	06/27/01	13.70	0.00	243.79	NM	0.29	<50.0	<250	<0.500	<0.500	<0.500	<1.00	6.02	NA	NA	NA	NA	NP
SVE-1	257.49	09/26/01	14.55	0.00	242.94	NM	0.63	<50.0	<250	<0.500	<0.500	<0.500	<1.00	14.7	NA	NA	NA	NA	NP
SVE-1	257.49	12/03/01	12.90	0.00	244.59	NM	0.46	<50.0	<250	<0.500	<0.500	<0.500	<1.00	25.5	NA	NA	NA	NA	NP
SVE-1	257.49	06/06/02	12.85	0.00	244.64	NM	2.7	<50.0	<250	<0.500	<0.500	<0.500	<1.00	2.63	<0.01	<1.00	<1.00	<1.00	NP
SVE-1	257.49	06/26/03	13.45	0.00	244.04	NM	3.7	<50.0	<287	<0.500	<0.500	<0.500	<1.00	<5.00	NA	<1.00	3.55	<1.00	NP
SVE-1	257.49	12/09/03	13.00	0.00	244.49	NM	1.2	<50.0	<250	<0.500	<0.500	<0.500	<1.00	21.2	NA	NA	<1.00	<1.00	NP
SVE-1	257.49	04/07/04	12.33	0.00	245.16	NM	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	11/16/04	13.80	0.00	243.69	NM	1.6	<80.0	<250	<0.200	<0.500	<0.500	<1.00	17.7	NA	NA	<1.00	<1.00	NP
SVE-1	257.49	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	12/06/05	13.20	0.00	244.29	NM	3.0	<50.0	<243	<485	<0.500	<0.500	<1.00	6.1	NA	NA	<1.00	<1.00	NP
SVE-1	257.49	06/05/06	12.23	0.00	245.26	NM	1.0	<50.0	NA	<538	<0.500	<0.500	<1.00	<1.00	NA	NA	<1.00	<1.00	NP
SVE-1	257.49	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	12/19/06	10.79	0.00	246.70	NM	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	257.49	09/24/07	14.04	0.00	243.45	NM	1.6	<50.0	<238	<476	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
SVE-1	257.49	12/31/07	11.60	0.00	245.89	NM	2.44	<50.0	<236	<472	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
SVE-1	258.83	01/30/08	11.44	0.00	247.39	NM	1.03	<50.0	<236	<472	<0.500	<0.500	<3.00	<1.00	NA	NA	1.61	NA	NP
SVE-1	258.83	04/02/08	14.74	0.00	244.09	NM	1.40	<50.0	<236	<472	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-1	258.83	07/01/08	14.52	0.00	244.31	5.04	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	<1.00	NA	NP
SVE-1	258.83	10/03/08	16.18	0.00	242.65	4.4	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	2.68	NA	NP
SVE-1	258.83	01/06/09	15.08	0.00	243.75	3.5	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	<1.00	NA	NP
SVE-1	258.83	04/08/09	14.42	0.00	244.41	5.7	<50.0	<243	<485	<0.500	<0.500	<0.500	<1.00	<1.00	NA	NA	12	<1.00	NP
SVE-1	258.83	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	06/26/13	12.44	NM	246.39	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	09/26/13	14.03	NM	244.80	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	11/15/13	13.48	NM	245.35	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	02/13/14	12.82	NM	246.01	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	04/01/14	9.92	0.00	248.91	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	07/09/14	12.69	0.00	246.14	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	10/20/14	13.87	0.00	244.96	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	01/19/15	11.14	0.00	247.69	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-1	258.83	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-2	259.31	10/05/94	16.85	0.00	242.46	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	47	NA	P
SVE-2	259.31	02/15/95	13.59	0.00	245.72	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-2	259.31	04/11/95	13.38	0.00	245.93	NM	<50	610	<1,000	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P, b
SVE-2	259.31	07/20/95	15.40	0.00	243.91	NM	<50	360	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
SVE-2	259.31	10/25/95	15.70	0.00	243.61	NM	<50	420	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
SVE-2	258.83	01/23/96	12.70	0.00	246.13	NM	<50	310	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P, **
SVE-2	258.83	04/17/96	13.77	0.00	245.06	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
SVE-2	258.83	07/08/96	14.00	0.00	244.83	NM	<50	356	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
SVE-2	258.83	10/10/96	15.38	0.00	243.45	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/11/97	12.52	0.00	246.31	2.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	05/29/97	10.71	0.00	248.12	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	08/05/97	16.11	0.00	242.72	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	10/23/97	12.62	0.00	246.21	3.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/11/98	11.81	0.00	247.02	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/30/98	15.94	0.00	242.89	2.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/25/98	15.57	0.00	243.26	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/29/98	13.57	0.00	245.26	8.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/09/99	11.09	0.00	247.74	9.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/02/99	13.56	0.00	245.27	0.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/20/99	13.45	0.00	245.38	4.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/16/00	13.15	0.00	245.68	2.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/30/00	14.75	0.00	244.08	2.4	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-2	258.83	09/27/00	16.01	0.00	242.82	0.95	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-2	258.83	11/10/00	15.75	0.00	243.08	1.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/19/01	14.40	0.00	244.43	0.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/27/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/26/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/03/01	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/06/02	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/26/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/19/06	11.84	0.00	246.99	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-2	258.83	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	06/26/13	13.95	NM	244.88	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	09/25/13	15.59	NM	243.24	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	11/15/13	15.09	NM	243.74	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	02/13/14	14.44	NM	244.39	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	04/01/14	11.15	0.00	247.68	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	07/09/14	14.17	0.00	244.66	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	10/20/14	15.43	0.00	243.40	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	01/19/15	12.50	0.00	246.33	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-2	258.83	12/14/15	12.38	NM	246.45	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-3	NM	03/11/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	05/29/97	5.31	0.00	NM	5.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	08/05/97	6.48	0.00	NM	14.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	10/23/97	4.67	SHEEN	NM	8.7	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	
SVE-3	NM	03/11/98	8.24	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	06/30/98	5.52	SHEEN	NM	NM	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	
SVE-3	NM	09/25/98	9.02	0.00	NM	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	12/29/98	6.64	0.00	NM	6.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	03/09/99	NM	0.00	NM	12.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	06/02/99	9.04	0.00	NM	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	12/20/99	8.15	0.00	NM	4.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	03/16/00	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	06/30/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	09/27/00	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	11/10/00	8.02	0.00	NM	0.39	<b>20,300</b>	<b>1,950</b>	<b>6,950</b>	<b>733</b>	<b>2,850</b>	456	<b>1,960</b>	NA	NA	NA	NA	NA	NP
SVE-3	NM	03/19/01	7.95	0.01	NM	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
SVE-3	NM	06/27/01	8.50	0.00	NM	0.08	<b>10,600</b>	<b>1,560</b>	<b>1,980</b>	<b>184</b>	<b>1,120</b>	180	995	<10.0	NA	NA	NA	NA	NP
SVE-3	NM	09/26/01	6.75	0.00	NM	0.14	<b>6,540</b>	<250	<750	<b>82.6</b>	492	99.4	961	<20.0	NA	NA	NA	NA	NP
SVE-3	NM	12/03/01	7.86	0.00	NM	0.49	<b>3,360</b>	<b>2,410</b>	<b>10,800</b>	<b>72.3</b>	549	67.6	600	<50.0	NA	NA	NA	NA	NP
SVE-3	NM	06/06/02	8.60	0.00	NM	0.3	<b>1,910</b>	NA	<b>50.7</b>	31.0	86.8	168	<2.00	NA	<1.00	NA	NA	NP	
SVE-3	NM	06/26/03	10.27	0.00	NM	1.3	<b>7,030</b>	NA	NA	<b>90.6</b>	169	238	981	<2.50	NA	NA	NA	NA	NP
SVE-3	NM	12/09/03	7.71	0.00	NM	0.7	<b>3,190</b>	<b>14,000</b>	<b>59,900</b>	<b>34.4</b>	44.8	82.9	220	<2.50	NA	NA	<b>24.2</b>	<1.00	NP
SVE-3	NM	04/07/04	7.41	0.00	NM	1.0	<b>3,610</b>	<b>2,180</b>	<b>8,300</b>	<b>11.60</b>	12.5	37.3	70.9	<1.00	NA	NA	4.30	<1.00	NP, e
SVE-3	NM	11/16/04	7.60	0.00	NM	1.21	614	<b>6,080</b>	<b>23,200</b>	4.35	0.650	9.44	17.5	<2.00	NA	NA	3.36	<1.00	NP
SVE-3	NM	03/29/05	6.31	0.00	NM	1.5	141	367	<b>1,610</b>	0.780	<0.500	0.700	1.28	<2.00	<0.010	<0.500	<b>26</b>	NA	NP
SVE-3	NM	06/22/05	7.47	0.00	NM	0.6	730	<b>4,210</b>	<b>16,900</b>	1.59	<0.500	9.01	15.8	<2.00	NA	NA	<b>37</b>	<1.00	NP
SVE-3	NM	09/12/05	8.46	0.00	NM	0.7	<b>7,190</b>	<b>13,200</b>	<b>61,000</b>	<b>31.6</b>	724	344	<b>1,480</b>	<2.00	NA	NA	<b>40.9</b>	<1.00	NP
SVE-3	NM	12/06/05	6.04	0.00	NM	2.3	845	<b>617</b>	<b>788</b>	1.41	0.83	11.5	23.2	<1.00	NA	NA	<1.00	<1.00	NP
SVE-3	NM	06/05/06	6.00	0.00	NM	NM	<b>9,870</b>	<b>12,300</b>	<b>45,300</b>	<0.500	<0.500	5.66	20.6	<1.00	NA	NA	1.36	<1.00	NP
SVE-3	NM	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	12/19/06	6.20	0.00	NM	1.7	<50.0	NA	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
SVE-3	NM	09/24/07	8.49	0.00	NM	4.0	<b>4,830</b>	<b>1,600</b>	<b>9,260</b>	2.42	0.81	91.1	134	<1.00	NA	NA	NA	NA	NP
SVE-3	NM	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
SVE-3	NM	01/30/08	8.52	0.00	NM	2.91	175	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP
SVE-3	NM	04/02/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	07/01/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	10/03/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	01/06/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	04/07/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	07/08/09	9.21	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SVE-3	NM	10/06/09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
SVE-3	NM	01/05/10	8.36	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	e
SVE-3	NM	05/25/10	8.51	0.00	NM	8.1	<b>1,700</b>	<b>1,800</b>	<b>4,300</b>	1.4	130	24	110	<1.00	NA	NA	3.8	<2.00	NP
SVE-3	NM	08/19/10	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
SVE-3	NM	12/07/10	8.30	0.00	NM	3.4	590	2,700	20,000	<0.50	<0.50	11	13	<1.0	NA	NA	4.0	<2.0	NP
SVE-3	NM	01/26/11	7.82	0.00	NM	3.5	<50	1,100	8,500	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	4.3	<2.0	NP
SVE-3	NM	06/16/11	8.22	0.00	NM	1.9	320	2,100	5,400	<0.50	<0.50	9.3	6.9	<1.0	NA	NA	7.7	<2.0	NP
SVE-3	NM	09/22/11	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SVE-3	NM	12/06/11	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SVE-3	NM	03/08/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SVE-3	NM	06/19/12	8.30	0.00	NM	NM	<50.0	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	
SVE-3	NM	09/21/12	DRY	DRY	NM	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SVE-3	NM	12/11/12	DRY	DRY	NM	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SVE-3	NM	06/25/13	8.22	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	09/25/13	8.50	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	11/14/13	8.10	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	02/13/14	7.78	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	04/01/14	7.09	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	07/09/14	8.15	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	10/20/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	01/19/15	7.20	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVE-3	NM	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTCA Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
AS-1	258.02	07/20/95	14.43	0.00	243.59	NM	<50	6,100	7,900	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
AS-1	258.02	10/25/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	01/23/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
AS-1	257.49	04/17/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	07/08/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	10/10/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	03/11/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	05/29/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	08/05/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	10/23/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	03/11/98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	06/25/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AS-1	257.49	09/25/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
AS-1	257.49	11/15/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	02/13/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	04/01/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	07/09/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	10/20/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	01/19/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-1	257.49	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
AS-2	NM	02/15/95	14.33	0.00	NM	NM	<50	12,000	45,000	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	430	NA	P, *, a, c
AS-2	NM	04/10/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	NM	07/20/95	16.23	0.00	NM	NM	<50	8,400	6,800	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
AS-2	NM	10/25/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/23/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
AS-2	258.76	04/17/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	07/08/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	10/10/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	03/11/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	05/29/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	08/05/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	10/23/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	03/11/98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
AS-2	258.76	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	06/25/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	09/25/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	11/15/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	02/13/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	04/01/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	07/09/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	10/20/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	01/19/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-2	258.76	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	



**TABLE 1**  
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 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
AS-3	258.16	10/05/94	17.10	0.00	241.06	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	22	NA	P
AS-3	258.16	02/15/95	14.81	0.00	243.35	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	258.16	04/10/95	14.64	0.00	243.52	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	258.16	07/20/95	15.80	0.00	242.36	NM	<50	1,500	2,600	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
AS-3	258.16	10/25/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/23/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**
AS-3	257.80	04/17/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	07/08/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	10/10/96	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	03/11/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	05/29/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	08/05/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	10/23/97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	03/11/98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/09/03	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	04/07/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	11/16/04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	03/29/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	06/22/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	09/12/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/06/05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	06/05/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/19/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	09/24/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/30/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	04/02/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.81	07/01/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	10/03/08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	04/07/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	07/08/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	10/06/09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/05/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	05/25/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	08/19/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/07/10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/26/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	06/16/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	09/22/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/06/11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	03/08/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	06/19/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
AS-3	257.80	09/21/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/11/12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	06/25/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	09/26/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	11/15/13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	02/13/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	04/01/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	07/09/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	10/20/14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	01/19/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AS-3	257.80	12/14/15	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments	
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15		
B1 (JPHC)	NM	02/15/95	14.72	3.27	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B1 (JPHC)	NM	04/10/95	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B1 (JPHC)	NM	07/20/95	14.63	0.26	NM	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
B1 (JPHC)	NM	10/25/95	14.20	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B1 (JPHC)	NM	01/23/96	12.20	Sheen	NM	NM	<b>3,900,000</b>	<b>7,200</b>	<b>15,000</b>	<b>1,500</b>	<b>1,200</b>	<b>1,200</b>	<b>7,900</b>	NA	NA	NA	NA	NA	NA	P
B1 (JPHC)	NM	04/17/96	14.13	0.70	NM	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
B1 (JPHC)	257.71	07/08/96	13.10	NM	244.61	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
B1 (JPHC)	257.71	10/10/96	14.40	0.00	243.31	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B1 (JPHC)	257.71	03/11/97	8.67	0.00	249.04	18.3	<b>2,600</b>	<b>16,500</b>	<b>34,300</b>	<2.50	<2.50	<2.50	<5.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	05/29/97	9.06	0.00	248.65	14.2	934	<b>14,000</b>	<b>32,400</b>	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	08/05/97	9.28	0.00	248.43	10.6	238	<b>7,500</b>	<b>16,100</b>	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	10/23/97	9.40	0.00	248.31	15.8	240	<b>75,500</b>	<b>280,000</b>	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	03/11/98	15.02	0.00	242.69	NM	894	<250	<750	3.15	13.6	2.1	31.4	NA	NA	NA	NA	NA	NA	
B1 (JPHC)	257.71	06/30/98	13.41	0.00	244.30	0.4	<b>23,100</b>	<b>3,540</b>	NA	<b>203</b>	<10.0	<10.0	<60.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	09/25/98	13.67	0.08	244.10	NM	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	
B1 (JPHC)	257.71	12/29/98	12.24	0.00	245.47	2.3	<50	<b>1,170</b>	<b>2,730</b>	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	03/09/99	11.50	0.00	246.21	5.7	<50	<b>746</b>	<b>1,830</b>	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	06/02/99	12.57	0.00	245.14	NM	196	<b>1,050</b>	<b>1,530</b>	<b>57.3</b>	5.34	0.729	5.70	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B1 (JPHC)	257.71	12/20/99	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
B1 (JPHC)	257.71	03/16/00	12.00	0.00	245.71	0.89	<b>2,170</b>	<b>4,580</b>	<b>1,880</b>	<b>538</b>	119	42.6	142	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	06/30/00	13.56	0.00	244.15	1.4	<b>6,510</b>	<b>4,820</b>	<b>973</b>	<b>1,430</b>	629	155	658	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	09/27/00	14.02	0.00	243.69	0.92	<b>6,780</b>	<b>6,490</b>	<b>8,770</b>	<b>1,180</b>	203	62.0	309	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	11/10/00	13.59	0.00	244.12	0.58	<b>8,610</b>	<b>2,230</b>	<b>5,090</b>	<b>2,260</b>	456	159	621	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	03/19/01	13.47	0.00	244.24	0.39	<b>9,680</b>	<b>1,360</b>	<b>1,450</b>	<b>1,400</b>	569	138	672	<b>212</b>	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	06/27/01	14.90	0.01	242.82	0.12	<b>47,300</b>	<b>73,900</b>	<b>132,000</b>	<b>1,360</b>	<b>2,230</b>	419	<b>2,060</b>	<125	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	09/26/01	14.25	0.01	243.47	1.18	<b>4,790,000</b>	<b>197,000</b>	<b>304,000</b>	<b>1,930</b>	<b>1,370</b>	<b>1,180</b>	<b>8,990</b>	<b>40.4</b>	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	12/03/01	12.00	0.00	245.71	0.37	<b>40,500</b>	<b>14,300</b>	<b>28,200</b>	<b>204</b>	727	290	<b>1,790</b>	<b>48.7</b>	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	06/26/03	13.91	0.30	244.04	NM	<b>31,600</b>	<b>185,000</b>	<b>263,000</b>	<b>2,850</b>	286	584	<b>2,570</b>	19.1	NA	NA	<b>447</b>	14.3	NA	NP
B1 (JPHC)	257.71	12/09/03	12.20	0.00	245.51	NM	<b>4,650</b>	<b>10,700</b>	<b>20,500</b>	<b>454</b>	10.7	34.8	354	<5.00	NA	NA	4.60	1.62	NA	NP
B1 (JPHC)	257.71	04/07/04	12.71	0.00	245.00	1.1	<b>24,500</b>	<b>11,200</b>	<b>20,200</b>	<b>2,650</b>	428	383	<b>1,730</b>	<100	NA	NA	5.13	13.3	NA	NP
B1 (JPHC)	257.71	11/16/04	13.58	0.00	244.13	1.62	<b>45,000</b>	<b>6,730</b>	<b>3,470</b>	<b>3,470</b>	15	260	<b>1,190</b>	<40.0	NA	NA	9.55	1.39	NA	NP
B1 (JPHC)	257.71	03/29/05	12.30	0.00	245.41	1.7	<b>19,500</b>	<b>50,400</b>	<b>18,600</b>	<b>3,800</b>	267	600	<b>2,330</b>	<40.0	<0.010	<10.0	<b>26.6</b>	NA	NA	NP
B1 (JPHC)	257.71	06/22/05	15.50	0.00	242.21	NM	<b>9,760</b>	<b>13,300</b>	<b>7,820</b>	<b>594</b>	80.8	326	<b>1,450</b>	<10.0	NA	NA	<b>24.5</b>	1.73	NA	NP
B1 (JPHC)	257.71	09/12/05	14.04	0.00	243.67	NM	<b>115,000</b>	<b>4,270</b>	<b>7,990</b>	<b>3,890</b>	64.4	<b>986</b>	<b>4,280</b>	<b>25.4</b>	NA	NA	<b>69.4</b>	11.5	NA	NP
B1 (JPHC)	257.71	12/06/05	13.27	0.00	244.44	NM	<b>25,400</b>	<b>6,360</b>	<b>12,700</b>	<b>5,400</b>	99.0	625	<b>2,220</b>	<100	NA	NA	4.1	1.51	NA	NP
B1 (JPHC)	257.71	06/05/06	12.79	0.00	244.92	NM	<b>16,800</b>	<b>4,750</b>	NA	<b>4,440</b>	75.0	316	885	<100	NA	NA	<b>21.5</b>	1.56	NA	NP
B1 (JPHC)	257.71	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B1 (JPHC)	257.71	12/19/06	11.40	0.00	246.31	NM	<b>4,140</b>	NA	NA	<b>17.8</b>	<0.500	<0.500	34.2	NA	NA	NA	NA	NA	NA	NP
B1 (JPHC)	257.71	09/24/07	14.95	0.00	242.76	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B1 (JPHC)	257.71	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f

**TABLE 1  
GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/ Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
B1 (JPHC)	257.71	01/30/08	12.76	0.00	244.95	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B1 (JPHC)	257.71	04/03/08	21.44	0.00	236.27	1.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	e
B1 (JPHC)	257.71	07/01/08	17.62	0.00	240.09	3.57	486	252	671	<0.500	<0.500	<0.500	<3.00	4.44	NA	NA	4.39	NA	NP
B1 (JPHC)	257.71	10/03/08	19.15	0.00	238.56	5.1	5,870	4,260	10,400	<0.500	<0.500	<0.500	<3.00	2.82	NA	NA	18.4	NA	NP
B1 (JPHC)	257.71	01/06/09	18.50	0.00	239.21	0.9	163	2,270	7,700	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	8.21	NA	NP
B1 (JPHC)	257.71	04/08/09	19.79	0.00	237.92	1.4	185	<245	<490	<0.500	<0.500	<0.500	1.13	1.12	NA	NA	5.36	5.19	NP
B1 (JPHC)	257.71	07/08/09	14.12	0.00	243.59	1.8	152	<240	<481	24.6	<0.500	<0.500	<1.00	<2.00	NA	NA	6.81	5.74	NP
B1 (JPHC)	257.71	10/06/09	15.70	0.00	242.01	2.0	950	315	534	54	1.2	3.6	<2.00	<1.00	NA	NA	31	5.6	NP
B1 (JPHC)	257.71	01/06/10	12.68	0.00	245.03	1.8	1,000	810	<240	110	2.2	9.5	10	<1.00	NA	NA	7.7	6.9	NP
B1 (JPHC)	257.71	05/25/10	13.12	0.00	244.59	1.7	1,400	13,000	720	250	11	26	64	<1.00	NA	NA	13	6.5	NP
B1 (JPHC)	257.71	08/19/10	14.04	0.00	243.67	1.3	2,000	11,000	780	280	26	32	120	<1.00	NA	NA	11	5.0	NP
B1 (JPHC)	257.71	12/07/10	12.87	0.00	244.84	1.2	2,900	4,700	650	150	42	39	160	<1.0	NA	NA	6.6	4.8	NP
B1 (JPHC)	257.71	01/26/11	11.58	0.00	246.13	3.2	1,200	3,000	370	41	16	21	100	<1.0	NA	NA	4.9	4.1	NP
B1 (JPHC)	257.71	06/16/11	12.84	0.00	244.87	2.3	4,600	7,700	1,600	140	8.2	52	340	<1.0	NA	NA	8.0	4.2	NP
B1 (JPHC)	257.71	09/22/11	16.09	0.00	241.62	2.5	520	304	<476	3.3	<0.50	2.7	9.2	1.5	NA	NA	3.3	<2.0	NP
B1 (JPHC)	257.71	12/06/11	18.31	0.00	239.40	NM	337	129	<381	<1.0	<1.0	<1.0	<3.0	1.6	NA	NA	<10.0	<10.0	NP
B1 (JPHC)	257.71	03/08/12	13.30	0.00	244.41	5.8	83.0	86.6	<400	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B1 (JPHC)	257.71	06/19/12	12.98	0.00	244.73	NM	<50.0	697	<800	16.9	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B1 (JPHC)	257.71	09/21/12	14.19	0.00	243.52	0.17	448	232	546	37.5	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B1 (JPHC)	257.71	12/11/12	11.16	0.00	246.55	0.9	359	989	464	9.4	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP
B1 (JPHC)	257.71	6/26/13	13.20	0.00	244.51	0.31	1,000	140	250	150	2.2	23	41	<0.50	NA	NA	11	11	LF, P
B1 (JPHC)	257.71	09/26/13	13.90	0.00	243.81	0.33	990	<260	<260	150	3.6	29	75	<0.50	NA	NA	<10.0	<10.0	LF
B1 (JPHC)	257.71	11/15/13	13.20	0.00	244.51	0.22	1,000 Y	<260	<260	200 D	4.4	31	89	<0.50	NA	NA	<10.0	<10.0	LF
B1 (JPHC)	257.71	02/13/14	12.72	0.00	244.99	0.86	2,100	4,800 BY	670 BY	150	3.9	29	86	<1.0	NA	NA	2.0	1.3 J	LF
B1 (JPHC)	257.71	04/02/14	11.21	0.00	246.50	0.43	1,800	4,500 BY	410 BY	110	3.4 J	23	70	<0.74	NA	NA	1.4 J	0.93 J	LF
B1 (JPHC)	257.71	07/11/14	13.37	0.00	244.34	0.28	1,600 B	5,400 BY	600 Y	140	3.9	32	100	<0.17	NA	NA	1.4 J	1.0 J	LF
B1 (JPHC)	257.71	10/22/14	13.73	0.00	243.98	0.12	2,500 B	2,300 Y	30 J	160	4.9	39	180 B	0.20 J	NA	NA	1.4 JB	0.60 J	LF
B1 (JPHC)	257.71	01/21/15	12.10	0.00	245.61	0.28	1,700	4,600 H <sup>1</sup> BY <sup>^</sup>	300 H <sup>1</sup> Y <sup>^</sup>	130	2.4	21	88	<0.17	NA	NA	0.51 J	0.39 J	LF
B1 (JPHC)	257.71	12/16/15	11.42	NM	246.29	1.87	1,600	2,600	330	89	2.0	15	36	<0.17	NA	NA	NA	NA	LF

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
B3 (JPHC)	NM	02/15/95	13.37	0.00	NM	NM	<50	340	1,200	1.0	<0.5	<0.5	<1.0	NA	NA	NA	10	NA	P, *, a
B3 (JPHC)	NM	04/11/95	13.52	0.00	NM	NM	<50	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	NM	07/20/95	15.15	0.00	NM	NM	91	370	<750	<0.5	0.90	<0.5	2.6	NA	NA	NA	NA	NA	P
B3 (JPHC)	NM	10/25/95	14.93	0.00	NM	NM	750	810	1,600	0.57	2.6	0.84	9.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	NM	01/23/96	12.58	0.00	NM	NM	5,400	810	1,900	0.64	11	3.6	35.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	NM	04/17/96	13.68	0.00	NM	NM	80	330	<750	<0.5	1.0	<0.5	<1.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	258.41	07/08/96	9.21	0.00	249.20	NM	<50	415	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	258.41	10/10/96	15.50	0.00	242.91	NM	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	P
B3 (JPHC)	258.41	03/11/97	9.41	0.00	249.00	16.8	<50	407	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	05/29/97	9.22	0.00	249.19	12.7	<50	402	1,180	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	08/05/97	19.57	0.00	238.84	12.2	<50	269	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	10/23/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
B3 (JPHC)	258.41	03/11/98	14.75	0.00	243.66	NM	<80	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	
B3 (JPHC)	258.41	06/30/98	15.08	0.00	243.33	10.2	76.6	<250	NA	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	09/25/98	14.95	0.00	243.46	5.1	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	12/29/98	14.21	0.00	244.20	10.0	<250	<250	<750	<2.5	<2.5	<2.5	<5.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	03/09/99	14.41	0.00	244.00	4.1	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	06/02/99	13.68	0.00	244.73	1.3	51.9	<250	<750	<0.500	5.43	<0.500	4.39	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	09/27/99	NM	0.00	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	12/20/99	12.50	0.00	245.91	0.89	98.2	<250	NA	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	03/16/00	13.55	0.00	244.86	1.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	06/30/00	14.52	0.00	243.89	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	09/27/00	15.35	0.00	243.06	3.20	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	11/10/00	14.61	0.00	243.80	1.10	<80.0	<250	<750	<0.500	<0.500	<0.500	<1.00	NA	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	03/19/01	14.17	0.00	244.24	1.06	<50.0	1,180	2,750	<0.500	<0.500	<0.500	<1.00	204	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	06/27/01	15.72	0.00	242.69	0.21	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	9.44	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	09/26/01	15.23	0.00	243.18	1.03	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	8.06	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	12/03/01	13.15	0.00	245.26	0.59	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	49.3	NA	NA	NA	NA	NP
B3 (JPHC)	258.41	06/06/02	14.33	0.00	244.08	1.3	<50.0	<250	<500	<0.500	1.05	<0.500	<1.00	5.03	<0.01	<1.00	23.5	<1.00	NP
B3 (JPHC)	258.41	06/26/03	14.63	0.00	243.78	2.9	296	289	<500	<0.500	<0.500	1.30	7.36	<1.00	NA	NA	11.3	<1.00	NP
B3 (JPHC)	258.41	12/09/03	13.25	0.00	245.16	1.6	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	1.61	NA	NA	<1.00	<1.00	NP
B3 (JPHC)	258.41	04/07/04	14.00	0.00	244.41	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	11/16/04	14.63	0.00	243.78	2.02	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	3.76	NA	NA	2.28	<1.00	NP
B3 (JPHC)	258.41	03/29/05	13.81	0.00	244.60	1.5	<80.0	<250	<500	<0.200	<0.500	<0.500	<1.00	2.58	<0.010	<0.500	2.09	NA	NP
B3 (JPHC)	258.41	06/22/05	14.31	0.00	244.10	0.4	<80.0	291	<500	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	18.9	<1.00	NP
B3 (JPHC)	258.41	09/12/05	15.05	0.00	243.36	NM	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	3.82	NA	NA	4.12	<1.00	NP
B3 (JPHC)	258.41	12/06/05	13.90	0.00	244.51	1.2	74.3	253	<485	<0.500	<0.500	<0.500	<1.00	4.49	NA	NA	3.25	<1.00	NP
B3 (JPHC)	258.41	06/05/06	13.51	0.00	244.90	0.7	<50.0	<278	<556	<0.500	<0.500	<0.500	<1.00	1.17	NA	NA	1.95	<1.00	NP
B3 (JPHC)	258.41	09/29/06	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	12/19/06	12.36	0.00	246.05	2.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
B3 (JPHC)	258.41	09/24/07	15.36	0.00	243.05	1.7	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	NA	NA	NP

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**  
 ARCO Facility No. 0980  
 10822 Roosevelt Way NE  
 Seattle, Washington

Well ID	Casing Elevation (Feet)	Date of Sampling/Monitoring	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	DO (mg/L)	TPHg (µg/L)	TPHd (µg/L)	TPHo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)	Comments
MTC A Method A Cleanup Levels							800/1,000 <sup>(1)</sup>	500	500	5	1,000	700	1,000	20	0.01	5	15	15	
B3 (JPHC)	258.41	12/31/07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	f
B3 (JPHC)	258.41	01/29/08	13.53	0.00	244.88	2.15	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	<1.00	NA	NA	1.59	NA	NP
B3 (JPHC)	258.41	04/03/08	20.10	0.00	238.31	2.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	e
B3 (JPHC)	258.41	07/01/08	17.84	0.00	240.57	3.20	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	15.6	NA	NA	<1.00	NA	NP
B3 (JPHC)	258.41	10/03/08	18.76	0.00	239.65	2.3	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<b>23.5</b>	NA	NA	<b>16.9</b>	NA	NP
B3 (JPHC)	258.41	01/06/09	18.92	0.00	239.49	2.1	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	<b>24.1</b>	NA	NA	7.6	NA	NP
B3 (JPHC)	258.41	04/08/09	19.00	0.00	239.41	4.2	<50.0	<240	<481	<0.500	<0.500	<0.500	<1.00	5.94	NA	NA	1.62	<1.00	NP
B3 (JPHC)	258.41	07/08/09	15.25	0.00	243.16	7.5	<80.0	<b>842</b>	<472	<0.200	<0.500	<0.500	<1.00	<2.00	NA	NA	<1.00	<1.00	NP
B3 (JPHC)	258.41	10/06/09	15.81	0.00	242.60	4.3	130	<236	<472	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	7.6	<2.00	NP
B3 (JPHC)	258.41	01/06/10	13.43	0.00	244.98	5.2	<50.0	<120	<240	<1.00	<1.00	<1.00	<2.00	<1.00	NA	NA	<2.00	<2.00	NP
B3 (JPHC)	258.41	05/25/10	14.12	0.00	244.29	3.1	<50.0	<120	<240	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	<2.00	<2.00	NP
B3 (JPHC)	258.41	08/19/10	15.12	0.00	243.29	0.9	<50.0	340	420	<0.50	<0.50	<0.50	<1.00	<1.00	NA	NA	6.1	<2.00	NP
B3 (JPHC)	258.41	12/07/10	13.95	0.00	244.46	1.7	<50	<120	<240	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	6.1	<2.0	NP
B3 (JPHC)	258.41	01/26/11	12.64	0.00	245.77	4.2	<50	<120	<240	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
B3 (JPHC)	258.41	06/16/11	13.84	0.00	244.57	1.7	<50	260	450	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	2.3	<2.0	NP
B3 (JPHC)	258.41	09/22/11	16.75	0.00	241.66	5.0	<50	<95.2	<476	<0.50	<0.50	<0.50	<1.0	<1.0	NA	NA	<2.0	<2.0	NP
B3 (JPHC)	258.41	12/06/11	18.04	0.00	240.37	NM	<50.0	<80.0	<400	<1.0	<1.0	<1.0	<3.0	2.2	NA	NA	<10.0	<10.0	NP
B3 (JPHC)	258.41	03/08/12	14.34	0.00	244.07	6.3	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B3 (JPHC)	258.41	06/19/12	12.14	0.00	246.27	NM	<50.0	<160	<800	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B3 (JPHC)	258.41	09/21/12	15.33	0.00	243.08	0.42	<50.0	<80.8	<404	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<10.0	<10.0	NP
B3 (JPHC)	258.41	12/11/12	12.70	0.00	245.71	4.0	<100	<182	444	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<3.0	<3.0	NP
B3 (JPHC)	258.41	6/26/2013	14.32	0.00	244.09	1.29	<50	<250	22	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10	<10	LF, P
B3 (JPHC)	258.41	9/26/2013	15.06	0.00	243.35	0.73	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
B3 (JPHC)	258.41	11/15/2013	14.39	0.00	244.02	0.69	<50	<260	<260	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	<10.0	<10.0	LF
B3 (JPHC)	258.41	2/13/2014	14.00	0.00	244.41	0.84	16 J	44 J B	46 J B	<1.0	<1.0	<1.0	<3.0	<1.0	NA	NA	<2.0	<2.0	LF
B3 (JPHC)	258.41	4/2/2014	12.31	0.00	246.10	0.80	14 J	76 J B	80 J B	<1.1	<0.89	<0.89	<0.82	<0.74	NA	NA	<0.17	<0.17	LF
B3 (JPHC)	258.41	7/11/2014	14.54	0.00	243.87	0.25	15 J B	140 B Y	130 J	<0.14	<0.16	<0.13	0.13 J	<0.17	NA	NA	0.22 J	0.77 J	LF
B3 (JPHC)	258.41	10/22/2014	14.77	0.00	243.64	4.61	<50	210 Y	67 J	<1.0	<1.0	<1.0	0.18 J B	0.72 J	NA	NA	<2.0	<2.0	LF
B3 (JPHC)	258.41	1/20/2015	13.25	0.00	245.16	0.16	31 J	210 H <sup>1</sup> BY <sup>h</sup>	170 J <sup>h</sup> H <sup>1</sup>	<0.14	<0.16	<0.13	<0.12	<0.17	NA	NA	<0.17	<0.17	LF
B3 (JPHC)	258.41	12/14/2015	12.68	NM	245.73	0.49	<27	57 J B	<30	<0.42	<0.44 *	<0.51	<0.50	0.19 J	NA	NA	NA	NA	LF

**TABLE 1**  
**GROUNDWATER ELEVATION AND ANALYTICAL DATA**

ARCO Facility No. 0980  
10822 Roosevelt Way NE  
Seattle, Washington

**Abbreviations/Notes:**

DO	Dissolved oxygen
MTBE	Methyl tertiary butyl ether
EDB	1,2-Dibromoethane
EDC	1,2-Dichloroethane
TPHg	Total petroleum hydrocarbons as gasoline
TPHd	Total petroleum hydrocarbons as diesel
TPHo	Total petroleum hydrocarbons as oil
mg/L	Milligrams per liter (parts per million [ppm])
µg/L	Micrograms per liter (parts per billion [ppb])
LPH	Liquid phase hydrocarbons
NA	Not analyzed
ND	Not detected
NE	Top of well casing elevation not established
NM	Not measured
NS	Not sampled
NP	Non-purge sampling methods were used
LF	Low flow sampling methods were used
<	Not detected at or above specified laboratory reporting limit
*	Lab control sample and lab control sample duplicate is outside acceptance limits.

**Bold** Indicates concentration exceeds state cleanup criterion.

<sup>(1)</sup> Cleanup level for gasoline is 800 µ/L if benzene is present, 1,000 µ/L if no detectable benzene in groundwater.

\* Sample was collected on 03/03/95.

\*\* Top of casing elevations were revised after reviewing the original survey data.

a Sample indicates total oil and grease using laboratory Method WTPH-413.1.

b Sample indicates total recoverable petroleum hydrocarbons using laboratory Method WTPH-418.1.

c Sample was also analyzed using Method WTPH-418.1 with resulting concentration of 22,000 ug/L.

d Unconfirmed MTBE concentration using Method 8021B due to elevated method reporting limits using Method 8260B.

e Not enough groundwater to sample well.

f Monitoring well was inaccessible.

B Compound was found in the blank and sample.

D The reported result is from a dilution

H

The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard

H<sup>1</sup> Sample was prepped or analyzed beyond the specified holding time.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard

P Purge sampling methods were used

Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.

^ Re-extraction and re-analysis of samples was performed beyond the specified holding time as the LCS or LCSD exceeded control limits and the compound was found in the blank and sample

**Limitations:**

Background information, including but not limited to previous field measurements, analytical results, Site plans, and other data have been obtained from previous consultants, and/or third parties, in the preparation of this report. INNOVEX has relied on this information as furnished. INNOVEX is not responsible for, nor has it confirmed the accuracy of data collected or generated by others.

# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: <u>ARCO 980</u>	Well No.: <u>MW-4</u>	Date: <u>15/2/16</u>																				
Samplers Name: <u>Jenny Heise/Andrea Winder/Thuan Bui</u>																						
<b>Purge Equipment:</b> <input type="checkbox"/> Bailer: Disposable or Acrylic <input checked="" type="checkbox"/> 1/2 v. Pump - Peristaltic <input type="checkbox"/> Bladder Pump <input type="checkbox"/> SS Monsoon #	<b>Sample Equipment:</b> <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Whaler # _____ <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Submersible Pump	<b>Sample Containers</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Size (ml)</th> <th>Type</th> <th>Pres.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">40</td> <td style="text-align: center;">VDA</td> <td style="text-align: center;">HCL</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">250</td> <td style="text-align: center;">amberglass</td> <td style="text-align: center;">HCL</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Number	Size (ml)	Type	Pres.	6	40	VDA	HCL	2	250	amberglass	HCL								
Number	Size (ml)	Type	Pres.																			
6	40	VDA	HCL																			
2	250	amberglass	HCL																			
Site Conditions/Weather: <u>43°F, partly cloudy</u>																						

Well Diameter & Type: <u>4" PVC</u>	LNAPL Thickness (feet) <u>NM</u>
Depth to Water: <u>15.04</u> TOC	DNAPL Thickness (feet) <u>NM</u>
Well Depth: <u>30.13</u> (BGS or TOC) - (Hard or Soft)	Duplicate No. <u>NA</u>
Height W-Column: <u>15.09</u> feet (well depth - depth to water)	Duplicate Time: <u>NA</u>
Volume in Well: <u>9.81</u> gallons (casing volume X height)	MS/MSD? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Pump Set Depth (BTOC): <u>21</u> (ft.)	Lab: Test America
Screened Interval (From Boring): <u>12-32</u> (ft.)	Transportation: Test America Courier

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ±.1	Conductivity (µS/cm) ±10 if <1000 µS/cm, ±20 if >1000 µS/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ± 0.1	ORP ±10 millivolts	Notes	Parameters stabilized Y/N
1210	0.25	14.71	841	0.546	3.72	6.44	90.2	suspended material in	-
1214	0.45	14.63	839	0.545	1.86	6.30	49.2	purge; purge	-
1218	0.65	14.65	833	0.541	1.24	6.25	32.1	water slightly	-
1222	0.85	14.67	830	0.539	0.98	6.25	22.2	cloudy,	-
1226	1.1	14.78	819	0.532	0.80	6.25	13.8		-
1230	1.35	14.65	815	0.530	0.74	6.26	10.7		-
1234	1.6	14.63	809	0.526	0.68	6.26	7.0		-
1238	1.85	14.64	798	0.519	0.65	6.26	4.6		-
1242	2.1	14.72	790	0.513	0.59	6.27	2.2		YES

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:

Original Height of Water Column  $15.09 \times 0.8 = 12.07$  - (Well Depth) =  $18.06$  Depth to water to maintain 80% well volume

Date: <u>15/2/16</u>	Sample Information		
Time: <u>1244</u>	Sample ID: <u>MW-4</u>	Flow Rate (L/min): <u>0.24</u>	Discharge Volume (gal):

Comments: installed new tubing, tubing was stained and had hydrocarbon odor - used a 32' 1/4" PE tubing, 6" silicone, DTW@ 1223=15.83' btoc, DTW@ 1236=15.90' btoc

Well Condition: cap was tightly manometer full of stormwater, recommend manometer replacement

Purge Water Disposition (e.g., Storage Location, drum#): drum at SE corner of site

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 2 1/2" = 0.24 | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)



# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: 0980 Well No.: MW-9 Date: 12-14-15 151214

Samplers Name: Jenny Heise/Andrea Winder/Thuan Bui

Purge Equipment:	Sample Equipment:	Sample Containers			
<input type="checkbox"/> Bailer: Disposable or Acrylic	<input type="checkbox"/> Disposable Bailer	Number	Size (ml)	Type	Pres.
<input checked="" type="checkbox"/> 12 v. Pump - Peristaltic	<input type="checkbox"/> Whaler # _____	<u>6</u>	<u>50 ml</u>	<u>VGA</u>	<u>HCL</u>
<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bladder Pump	<u>2</u>	<u>250</u>	<u>Amber</u>	<u>HCL</u>
<input type="checkbox"/> SS Monsoon #	<input type="checkbox"/> Submersible Pump				

Site Conditions/Weather: cool, partly cloudy

Well Diameter & Type: 4 inch PVC LNAPL Thickness (feet) NM  
 Depth to Water: 15.40 TOC DNAPL Thickness (feet) NM

Well Depth: 30.28 (BGS or TOC) - (Hard or Soft) Duplicate No. \_\_\_\_\_

Height W-Column: 14.88 feet (well depth - depth to water) Duplicate Time: \_\_\_\_\_

Volume in Well: 9.67 gallons (casing volume X height) MS/MSD? Yes  No

Pump Set Depth (BTOC): 22 (ft.) Lab: Test America

Screened Interval (From Boring): 46 - 29.5 (ft.) Transportation: Test America Courier

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ±.1	Conductivity (µS/cm) ±10 if <1000 µS/cm, ±20 if >1000 µS/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ±0.1	ORP ±10 millivolts	Notes	Parameters stabilized Y/N
1258	0.20	12.79	887	0.56	3.03	6.17	212.6	N	N
1303	0.70	12.86	886	0.57	2.31	5.99	214.8	N	N
1307	0.90	12.89	887	0.58	2.10	5.92	216.6	N	N
1313	1.30	12.90	886	0.58	1.99	5.87	219.3	clear purg	N
1317	1.60	12.85	887	0.58	1.97	5.86	220.4		Y

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Original Height of Water Column 14.88 x 0.8 = 11.9 - (Well Depth) = 18.38 Depth to water to maintain 80% well volume

Date: 1214 Sample Information MW-9  
 Time: 1320 Sample ID: \_\_\_\_\_ Flow Rate (L/min): 0.23 Discharge Volume (gal): \_\_\_\_\_

Comments: Stormwater in monument below top of casing. All three bolts don't thread. Installed new tubing - used 30' 1/4" PVC and 6 inches of silicone tubing. DTW during purging = 16.40

Well Condition: \_\_\_\_\_  
 Purge Water Disposition (e.g., Storage Location, drum#): Drum - 55 gal, located SE corner of site

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 2 1/2" = (0.24) | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)

# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: <u>0980</u>	Well No.: <u>MW-11</u>	Date: <u>151214</u>																				
Samplers Name: <u>Jehny Heise/Andrea Winder/Thuan Bui</u>																						
<b>Purge Equipment:</b> <input type="checkbox"/> Bailer: Disposable or Acrylic <input checked="" type="checkbox"/> 12 v. Pump - Peristaltic <input type="checkbox"/> Bladder Pump <input type="checkbox"/> SS Monsoon #	<b>Sample Equipment:</b> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Whaler # _____ <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Submersible Pump	<b>Sample Containers</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Size (ml)</th> <th>Type</th> <th>Pres.</th> </tr> </thead> <tbody> <tr> <td><u>6</u></td> <td><u>40</u></td> <td><u>VOA</u></td> <td><u>HCl</u></td> </tr> <tr> <td><u>2</u></td> <td><u>250</u></td> <td><u>Amber</u></td> <td><u>HCl</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Number	Size (ml)	Type	Pres.	<u>6</u>	<u>40</u>	<u>VOA</u>	<u>HCl</u>	<u>2</u>	<u>250</u>	<u>Amber</u>	<u>HCl</u>								
Number	Size (ml)	Type	Pres.																			
<u>6</u>	<u>40</u>	<u>VOA</u>	<u>HCl</u>																			
<u>2</u>	<u>250</u>	<u>Amber</u>	<u>HCl</u>																			
Site Conditions/Weather: <u>partly cloudy, 43°</u>																						

Well Diameter & Type: <u>4" PVC</u>	LNAPL Thickness (feet) <u>NM</u>
Depth to Water: <u>15.20</u> TOC	DNAPL Thickness (feet) <u>NM</u>
Well Depth: <u>29.03</u> (BGS or TOC) - (Hard or Soft)	Duplicate No. _____
Height W-Column: <u>13.83</u> feet (well depth - depth to water)	Duplicate Time: _____
Volume in Well: <u>8.99</u> gallons (casing volume X height)	MS/MSD? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Pump Set Depth (BTOC): <u>21</u> (ft.)	Lab: Test America
Screened Interval (From Boring): <u>10-30</u> (ft.)	Transportation: Test America Courier

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ±.1	Conductivity (µS/cm) ±10 if <1000 µS/cm, ±20 if >1000 µS/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ± 0.1	ORP ±10 millivolts	Notes	Parameters stabilized Y/N
<u>1538</u>	<u>0.20</u>	<u>12.77</u>	<u>735</u>	<u>0.480</u>	<u>4.16</u>	<u>6.61</u>	<u>-34.1</u>	<u>Purge the draw</u>	<u>N</u>
<u>1542</u>	<u>0.40</u>	<u>12.94</u>	<u>732</u>	<u>0.480</u>	<u>1.91</u>	<u>6.50</u>	<u>-38.7</u>		<u>N</u>
<u>1546</u>	<u>0.55</u>	<u>13.18</u>	<u>731</u>	<u>0.470</u>	<u>1.26</u>	<u>6.42</u>	<u>-41.6</u>		<u>N</u>
<u>1550</u>	<u>0.70</u>	<u>12.93</u>	<u>725</u>	<u>0.470</u>	<u>0.99</u>	<u>6.39</u>	<u>-43.1</u>	<u>settling solids</u>	<u>N</u>
<u>1554</u>	<u>0.90</u>	<u>13.08</u>	<u>721</u>	<u>0.470</u>	<u>0.80</u>	<u>6.35</u>	<u>-43.9</u>		<u>N</u>
<u>1558</u>	<u>1.15</u>	<u>13.20</u>	<u>723</u>	<u>0.470</u>	<u>0.71</u>	<u>6.33</u>	<u>-44.9</u>		<u>N</u>
<u>1602</u>	<u>1.30</u>	<u>13.28</u>	<u>719</u>	<u>0.467</u>	<u>0.65</u>	<u>6.32</u>	<u>-45.5</u>		<u>N</u>
<u>1606</u>	<u>1.55</u>	<u>13.18</u>	<u>718</u>	<u>0.463</u>	<u>0.58</u>	<u>6.32</u>	<u>-46.0</u>		<u>Y</u>

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:

Original Height of Water Column 13.83 x 0.8 = 11.06 - (Well Depth) = 17.97 Depth to water to maintain 80% well volume

Date: <u>151214</u>	Sample Information		
Time: <u>1609</u>	Sample ID: <u>MW-11</u>	Flow Rate (L/min): <u>0.160</u>	Discharge Volume (gal): <u>1.60</u>

Comments: Well secure, DTW @ 1548 = 15.65 btoe

Well Condition: \_\_\_\_\_

Purge Water Disposition (e.g., Storage Location, drum#): 55 gal drum, located SE corner of the site

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 2 1/2" = (0.24) | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)

# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: <u>ARCO 980</u>	Well No.: <u>MW-12</u>	Date: <u>15/2/16</u>																				
Samplers Name: <u>Jenny Heise/Larry Brown/Thuan Bui / Andres Winder</u>																						
<b>Purge Equipment:</b> <input type="checkbox"/> Bailer: Disposable or Acrylic <input checked="" type="checkbox"/> 12 v. Pump - Peristaltic <input type="checkbox"/> Bladder Pump <input type="checkbox"/> SS Monsoon #	<b>Sample Equipment:</b> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Whaler # _____ <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Submersible Pump	<b>Sample Containers</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Size (ml)</th> <th>Type</th> <th>Pres.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>40</td> <td>VOA</td> <td>HCL</td> </tr> <tr> <td>2</td> <td>250</td> <td>amberglass</td> <td>HCL</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Number	Size (ml)	Type	Pres.	0	40	VOA	HCL	2	250	amberglass	HCL								
Number	Size (ml)	Type	Pres.																			
0	40	VOA	HCL																			
2	250	amberglass	HCL																			
Site Conditions/Weather: <u>43°F, partly cloudy</u>																						

Well Diameter & Type: <u>4" PVC</u>	LNAPL Thickness (feet) <u>LM</u>
Depth to Water: <u>10.76</u> TOC	DNAPL Thickness (feet) <u>NM</u>
Well Depth: <u>20.10</u> (BGS or TOC) - (Hard or Soft)	Duplicate No. <u>NA</u>
Height W-Column: <u>9.34</u> feet (well depth - depth to water)	Duplicate Time: <u>NA</u>
Volume in Well: <u>6.07</u> gallons (casing volume X height)	MS/MSD? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Pump Set Depth (BTOC): <del>15</del> <u>15</u> (ft.)	Lab: <u>Test America</u>
Screened Interval (From Boring): <u>5-20</u> (ft.)	Transportation: <u>Test America Courier</u>

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ± 3%	Conductivity (µs/cm) ±10 if <1000 µs/cm, ±20 if >1000 µs/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ± 0.1	ORP ±10 millivolts	Notes	Parameters stabilized Y/N
1331	0.25	13.68	599	0.389	5.23	6.38	11.7		
1335	0.35	13.73	599	0.389	2.67	6.37	6.2	purge thro stuck	N
1340	0.50	13.97	598	0.389	1.45	6.31	4.9		N
1344	0.75	13.98	597	0.388	1.16	6.27	4.4		N
1348	1.00	13.95	596	0.388	0.93	6.24	4.1		N
1352	1.40	14.04	596	0.387	0.81	6.22	3.0		N
1356	1.75	13.94	595	0.386	0.71	6.20	2.0		N
1400	2.10	13.91	594	0.386	0.64	6.19	1.0		N
1404	2.55	13.92	593	0.386	0.57	6.19	-0.1		Y

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:  
 Original Height of Water Column 9.34 x 0.8 = 7.47 - (Well Depth) = 12.63 Depth to water to maintain 80% well volume

Date: <u>15/2/16</u>	Sample Information		
Time: <u>1405</u>	Sample ID: <u>MW-12</u>	Flow Rate (L/min): <u>0.250</u>	Discharge Volume (gal): <u>3.5 gal</u>

Comments: VTW measured @ 1348 = 0.0045% organic odor during purging. Slight sheen observed @ 11:40 btoc.

Well Condition: None of the three bolts thread.  
 Purge Water Disposition (e.g., Storage Location, drum#): 55 gal drum located on SE corner of the site.

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 2 1/2" = 0.24 | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)

# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: <u>ARCO 980</u>	Well No.: <del>BB</del> <u>BB (UPHC)</u>	Date: <u>1S1216</u>																								
Samplers Name: <u>Jenny Heise/Larry Brown/Thuan Bui / Andrea Winder</u>																										
<b>Purge Equipment:</b> <input type="checkbox"/> Bailer: Disposable or Acrylic <input checked="" type="checkbox"/> 12 v. Pump - Peristaltic <input type="checkbox"/> Bladder Pump <input type="checkbox"/> SS Monsoon #	<b>Sample Equipment:</b> <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Water # <u>        </u> <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Submersible Pump	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Sample Containers</th> </tr> <tr> <th style="width: 15%;">Number</th> <th style="width: 15%;">Size (ml)</th> <th style="width: 40%;">Type</th> <th style="width: 30%;">Pres.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">40</td> <td style="text-align: center;">VOA</td> <td style="text-align: center;">HCL</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">250</td> <td style="text-align: center;">amberglass</td> <td style="text-align: center;">HCL</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Sample Containers				Number	Size (ml)	Type	Pres.	6	40	VOA	HCL	2	250	amberglass	HCL								
Sample Containers																										
Number	Size (ml)	Type	Pres.																							
6	40	VOA	HCL																							
2	250	amberglass	HCL																							
Site Conditions/Weather: <u>48°F, partly cloudy</u>																										

Well Diameter & Type: <u>2" PVC</u>	LNAPL Thickness (feet) <u>NM</u>
Depth to Water: <u>11.42</u> TOC	DNAPL Thickness (feet) <u>NM</u>
Well Depth: <u>23.04</u> (BGS or TOC) - (Hard or Soft)	Duplicate No. <u>NA</u>
Height W-Column: <u>11.62</u> feet (well depth - depth to water)	Duplicate Time: <u>NA</u>
Volume in Well: <u>1.86</u> gallons (casing volume X height)	MS/MSD? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Pump Set Depth (BTOC): <u>18</u> (ft.)	Lab: Test America
Screened Interval (From Boring): <u>8-23</u> (ft.)	Transportation: Test America Courier

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ± 3%	Conductivity (µS/cm) ±10 if <1000 µS/cm, ±20 if >1000 µS/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ±0.1	ORP ±10 millivolts	Notes	Parameters Stabilized Y/N
1518	0.25	14.13	838	0.545	6.43	6.50	-19.1	suspended material in purged water	-
1522	0.45	14.22	840	0.546	5.34	6.47	-23.0	hydrocarbon	-
1526	0.65	14.12	840	0.550	4.43	6.44	-23.7	odor observed	-
1530	0.85	13.65	843	0.547	3.45	6.41	-24.9		-
1534	1.05	14.09	849	0.552	2.69	6.38	-25.5	purge is	-
1540	1.25	13.99	850	0.553	2.39	6.38	-26.7	gray-ish +	-
1544	1.45	14.06	851	0.553	2.27	6.37	-28.0	cloudy	-
1548	1.65	14.00	852	0.554	1.87	6.37	-29.0		yes

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:  
 Original Height of Water Column 11.62 x 0.8 = 9.30 - (Well Depth) = 13.74 Depth to water to maintain 80% well volume

Date: <u>1S1216</u>	Sample Information		
Time: <u>1550</u>	Sample ID: <u>B-1 (UPHC)</u>	Flow Rate (L/min): <u>0.22</u>	Discharge Volume (gal): <u>2.1</u>

Comments: installed new tubing old tubing was stained + had hydrocarbon odor, used ≈ 25' 1/4" PE tubing + 6" silicone tubing, DTW@ 1527 = 11.68' btoC, DTW@ 1542 = 11.73' btoC

Well Condition: good, monument lid + well cap are in good condition - no stormwater in monument  
 Purge Water Disposition (e.g., Storage Location, drum#): drum at SE corner of site

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 3 1/2" = 0.24 | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)

# GROUND WATER MONITORING WELL LOW FLOW SAMPLING FIELD DATA SHEET

Site No.: <u>0980</u>	Well No.: <u>B-3 (WPHC)</u>	Date: <u>151214</u>																				
Samplers Name: <u>Jenny Heise/Andrea Winder/Thuan Bui</u>																						
<b>Purge Equipment:</b> <input type="checkbox"/> Bailer: Disposable or Acrylic <input checked="" type="checkbox"/> 12V. Pump - Peristaltic <input type="checkbox"/> Bladder Pump <input type="checkbox"/> SS Monsoon #	<b>Sample Equipment:</b> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Whaler # _____ <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Submersible Pump	<b>Sample Containers</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Size (ml)</th> <th>Type</th> <th>Pres.</th> </tr> </thead> <tbody> <tr> <td><u>6</u></td> <td><u>40</u></td> <td><u>VDA</u></td> <td><u>HCl</u></td> </tr> <tr> <td><u>2</u></td> <td><u>250</u></td> <td><u>Amber</u></td> <td><u>HCl</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Number	Size (ml)	Type	Pres.	<u>6</u>	<u>40</u>	<u>VDA</u>	<u>HCl</u>	<u>2</u>	<u>250</u>	<u>Amber</u>	<u>HCl</u>								
Number	Size (ml)	Type	Pres.																			
<u>6</u>	<u>40</u>	<u>VDA</u>	<u>HCl</u>																			
<u>2</u>	<u>250</u>	<u>Amber</u>	<u>HCl</u>																			
Site Conditions/Weather: <u>partly cloudy, cool, 43°F</u>																						

Well Diameter & Type: 2" PVC      LNAPL Thickness (feet) NM  
 Depth to Water: 12.68 TOC      DNAPL Thickness (feet) NM  
 Well Depth: 21.49 (BGS or TOC) - (Hard or Soft)      Duplicate No. \_\_\_\_\_  
 Height W-Column: 8.81 feet (well depth - depth to water)      Duplicate Time: \_\_\_\_\_  
 Volume in Well: 1.41 gallons (casing volume X height)      MS/MSD? Yes  No   
 Pump Set Depth (BTOC): 17.5 (ft.) 7.22 Lab: Test America  
 Screened Interval (From Boring): unknown (ft.)      Transportation: Test America Courier

Time (2-5 min intervals)	Volume Purged (Gallons)	Temperature (°C) ± .1	Conductivity (µS/cm) ±10 if <1000 µS/cm, ±20 if >1000 µS/cm	TDS	D.O. (mg/L) if <1mg/L then ±0.05 if >1 mg/L then ±0.2	pH ± 0.1	ORP ±10 millivolts	Notes	Parameters stabilized Y/N
<u>1416</u>	<u>0.25</u>	<u>15.24</u>	<u>813</u>	<u>0.529</u>	<u>4.12</u>	<u>6.48</u>	<u>214.2</u>	<u>purge is</u>	<u>-</u>
<u>1420</u>	<u>0.5</u>	<u>14.93</u>	<u>813</u>	<u>0.528</u>	<u>1.68</u>	<u>6.44</u>	<u>216.6</u>	<u>clear</u>	<u>-</u>
<u>1424</u>	<u>0.8</u>	<u>15.12</u>	<u>811</u>	<u>0.527</u>	<u>1.08</u>	<u>6.44</u>	<u>216.9</u>		<u>-</u>
<u>1428</u>	<u>1.05</u>	<u>15.10</u>	<u>809</u>	<u>0.526</u>	<u>0.77</u>	<u>6.43</u>	<u>216.7</u>		<u>-</u>
<u>1432</u>	<u>1.3</u>	<u>15.06</u>	<u>809</u>	<u>0.526</u>	<u>0.63</u>	<u>6.43</u>	<u>216.1</u>		<u>-</u>
<u>1436</u>	<u>1.55</u>	<u>15.05</u>	<u>807</u>	<u>0.525</u>	<u>0.55</u>	<u>6.44</u>	<u>215.1</u>		<u>-</u>
<u>1440</u>	<u>1.8</u>	<u>15.07</u>	<u>802</u>	<u>0.522</u>	<u>0.49</u>	<u>6.43</u>	<u>214.8</u>		<u>yes</u>

Wait for 80% well volume recovery prior to sampling.  
 Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:  $8.81 \times 0.8 = 7.05$  - (Well Depth)  $14.44 = 14.44$       Depth to water to maintain 80% well volume

Date: <u>151214</u>	Sample Information		
Time: <u>1444</u>	Sample ID: <u>B-3(WPHC)</u>	Flow Rate (L/min): <u>0.22</u>	Discharge Volume (gal): <u>2.15</u>

Comments: used existing tubing, DTW @ 1425 = 12.96' btoe,

Well Condition: good, monument + well cap in good condition  
 Purge Water Disposition (e.g., Storage Location, drum#): drum at southeast corner of site

WELL CASING VOLUMES (Gal/Ft)  
 1 1/4" = (0.077) | 1 1/2" = (0.10) | 2" = (0.16) | 2 1/2" = 0.24 | 4" = (0.65) | 5" = (1.02) | 6" = (1.47) | 8" = (2.61)



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Seattle  
5755 8th Street East  
Tacoma, WA 98424  
Tel: (253)922-2310

TestAmerica Job ID: 580-56068-1  
Client Project/Site: ARCO 980  
Sampling Event: ARCO 980

For:  
Innovex Environmental Management, Inc  
16310 NE 80th Street NE  
Suite 300  
Redmond, Washington 98052

Attn: Thuan Bui



Authorized for release by:  
1/5/2016 4:59:46 PM

Robert Greer, Project Manager II  
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

- 1
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- 10
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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 BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody is included and is an integral part of this report.



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Robert Greer  
Project Manager II  
1/5/2016 4:59:46 PM





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# Case Narrative

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Job ID: 580-56068-1**

**Laboratory: TestAmerica Seattle**

## Narrative

### Job Narrative 580-56068-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 12/18/2015 1:47 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

#### Receipt Exceptions

There was not a time listed on the Chain-of Custody (COC) for the the recieved Trip Blanks. A time of 00:01 was used at login.

#### GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch analytical batch 580-208558 recovered outside control limits for the following analyte: Toluene. This analytes is biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-208760 recovered outside control limits for the following analytes: Benzene, Toluene, o-Xylene and Ethylbenzene (LCSD only). These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Reanalysis of the following sample was performed due to possible carryover contamination from previous sample analyzed: B-1 (JPHC) (580-56068-5).

Method(s) NWTPH-Gx: Reanalysis of the following sample was performed outside of the analytical holding time. Initial analysis was in hold, but required verification of carryover contamination. B-3 (JPHC) (580-56068-6). Both sets of data have been reported with the original in hold analysis being reported with a high bias due to carryover.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method(s) NWTPH-Dx: The method blank for preparation batch 580-208534 and analytical batch 580-208703 contained #2 Diesel (C10-C24) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method(s) NWTPH-Dx: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: B-1 (JPHC) (580-56068-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

### GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: MW-4**  
**Date Collected: 12/16/15 12:44**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-1**  
**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	*	2.0	0.42	ug/L			12/29/15 19:35	1
Toluene	ND	*	2.0	0.44	ug/L			12/29/15 19:35	1
Ethylbenzene	ND	*	3.0	0.51	ug/L			12/29/15 19:35	1
<b>Methyl tert-butyl ether</b>	<b>0.20</b>	<b>J</b>	1.0	0.17	ug/L			12/29/15 19:35	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/29/15 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 120		12/29/15 19:35	1
4-Bromofluorobenzene (Surr)	103		75 - 120		12/29/15 19:35	1
Toluene-d8 (Surr)	103		85 - 120		12/29/15 19:35	1
Trifluorotoluene (Surr)	97		70 - 136		12/29/15 19:35	1
Dibromofluoromethane (Surr)	90		85 - 115		12/29/15 19:35	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline</b>	<b>35</b>	<b>J</b>	50	27	ug/L			12/24/15 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150		12/24/15 08:58	1
Trifluorotoluene (Surr)	108		50 - 150		12/24/15 08:58	1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>#2 Diesel (C10-C24)</b>	<b>280</b>		110	20	ug/L		12/30/15 12:17	01/05/16 00:24	1
<b>Motor Oil (&gt;C24-C36)</b>	<b>260</b>		260	30	ug/L		12/30/15 12:17	01/05/16 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	12/30/15 12:17	01/05/16 00:24	1

# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: MW-9**  
**Date Collected: 12/14/15 13:20**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-2**  
**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/23/15 19:59	1
Toluene	ND	*	2.0	0.44	ug/L			12/23/15 19:59	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/23/15 19:59	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/23/15 19:59	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/23/15 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 120		12/23/15 19:59	1
4-Bromofluorobenzene (Surr)	92		75 - 120		12/23/15 19:59	1
Toluene-d8 (Surr)	107		85 - 120		12/23/15 19:59	1
Trifluorotoluene (Surr)	98		70 - 136		12/23/15 19:59	1
Dibromofluoromethane (Surr)	94		85 - 115		12/23/15 19:59	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	27	ug/L			12/24/15 09:30	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	100		50 - 150		12/24/15 09:30	1			
Trifluorotoluene (Surr)	110		50 - 150		12/24/15 09:30	1			

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	55	J B	110	19	ug/L		12/23/15 12:36	12/29/15 15:31	1
Motor Oil (>C24-C36)	ND		250	29	ug/L		12/23/15 12:36	12/29/15 15:31	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	91		50 - 150		12/23/15 12:36	12/29/15 15:31	1		

# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: MW-11**

**Date Collected: 12/14/15 16:09**

**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-3**

**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/23/15 20:56	1
Toluene	ND	*	2.0	0.44	ug/L			12/23/15 20:56	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/23/15 20:56	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/23/15 20:56	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/23/15 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 120		12/23/15 20:56	1
4-Bromofluorobenzene (Surr)	97		75 - 120		12/23/15 20:56	1
Toluene-d8 (Surr)	98		85 - 120		12/23/15 20:56	1
Trifluorotoluene (Surr)	99		70 - 136		12/23/15 20:56	1
Dibromofluoromethane (Surr)	97		85 - 115		12/23/15 20:56	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	48	J	50	27	ug/L			12/24/15 10:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150		12/24/15 10:02	1
Trifluorotoluene (Surr)	114		50 - 150		12/24/15 10:02	1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170	B	110	19	ug/L		12/23/15 12:36	12/29/15 15:51	1
Motor Oil (>C24-C36)	95	J	250	29	ug/L		12/23/15 12:36	12/29/15 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	12/23/15 12:36	12/29/15 15:51	1

# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: MW-12**

**Date Collected: 12/16/15 14:05**

**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-4**

**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.64</b>	<b>J *</b>	2.0	0.42	ug/L			12/29/15 20:03	1
Toluene	ND	*	2.0	0.44	ug/L			12/29/15 20:03	1
Ethylbenzene	ND	*	3.0	0.51	ug/L			12/29/15 20:03	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/29/15 20:03	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/29/15 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 120		12/29/15 20:03	1
4-Bromofluorobenzene (Surr)	101		75 - 120		12/29/15 20:03	1
Toluene-d8 (Surr)	103		85 - 120		12/29/15 20:03	1
Trifluorotoluene (Surr)	97		70 - 136		12/29/15 20:03	1
Dibromofluoromethane (Surr)	90		85 - 115		12/29/15 20:03	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline</b>	<b>170</b>		50	27	ug/L			12/24/15 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150		12/24/15 11:06	1
Trifluorotoluene (Surr)	111		50 - 150		12/24/15 11:06	1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>#2 Diesel (C10-C24)</b>	<b>1300</b>		120	20	ug/L		12/30/15 12:17	01/05/16 00:41	1
<b>Motor Oil (&gt;C24-C36)</b>	<b>1900</b>		270	31	ug/L		12/30/15 12:17	01/05/16 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	12/30/15 12:17	01/05/16 00:41	1

# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: B-1 (JPHC)**

**Lab Sample ID: 580-56068-5**

**Date Collected: 12/16/15 15:50**

**Matrix: Water**

**Date Received: 12/18/15 13:47**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/29/15 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 120					12/29/15 20:31	1
4-Bromofluorobenzene (Surr)	103		75 - 120					12/29/15 20:31	1
Toluene-d8 (Surr)	104		85 - 120					12/29/15 20:31	1
Trifluorotoluene (Surr)	97		70 - 136					12/29/15 20:31	1
Dibromofluoromethane (Surr)	90		85 - 115					12/29/15 20:31	1

## Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	89		2.0	0.42	ug/L			12/30/15 18:39	1
Toluene	2.0		2.0	0.44	ug/L			12/30/15 18:39	1
Ethylbenzene	15		3.0	0.51	ug/L			12/30/15 18:39	1
Xylenes, Total	36		3.0	0.50	ug/L			12/30/15 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 120					12/30/15 18:39	1
4-Bromofluorobenzene (Surr)	98		75 - 120					12/30/15 18:39	1
Toluene-d8 (Surr)	108		85 - 120					12/30/15 18:39	1
Trifluorotoluene (Surr)	93		70 - 136					12/30/15 18:39	1
Dibromofluoromethane (Surr)	89		85 - 115					12/30/15 18:39	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1600		50	27	ug/L			12/24/15 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		50 - 150					12/24/15 11:38	1
Trifluorotoluene (Surr)	108		50 - 150					12/24/15 11:38	1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2600		110	20	ug/L		12/30/15 12:17	01/05/16 00:59	1
Motor Oil (>C24-C36)	330		260	30	ug/L		12/30/15 12:17	01/05/16 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150				12/30/15 12:17	01/05/16 00:59	1

TestAmerica Seattle



# Client Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: B-3 (JPHC)**

**Lab Sample ID: 580-56068-6**

**Date Collected: 12/14/15 14:41**

**Matrix: Water**

**Date Received: 12/18/15 13:47**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/23/15 20:28	1
Toluene	ND	*	2.0	0.44	ug/L			12/23/15 20:28	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/23/15 20:28	1
<b>Methyl tert-butyl ether</b>	<b>0.19</b>	<b>J</b>	1.0	0.17	ug/L			12/23/15 20:28	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/23/15 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 120		12/23/15 20:28	1
4-Bromofluorobenzene (Surr)	91		75 - 120		12/23/15 20:28	1
Toluene-d8 (Surr)	107		85 - 120		12/23/15 20:28	1
Trifluorotoluene (Surr)	99		70 - 136		12/23/15 20:28	1
Dibromofluoromethane (Surr)	97		85 - 115		12/23/15 20:28	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline</b>	<b>56</b>		50	27	ug/L			12/24/15 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150		12/24/15 12:10	1
Trifluorotoluene (Surr)	108		50 - 150		12/24/15 12:10	1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	50	27	ug/L			12/29/15 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150		12/29/15 15:51	1
Trifluorotoluene (Surr)	116		50 - 150		12/29/15 15:51	1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>#2 Diesel (C10-C24)</b>	<b>57</b>	<b>J B</b>	110	20	ug/L		12/23/15 12:36	12/29/15 16:32	1
Motor Oil (>C24-C36)	ND		260	30	ug/L		12/23/15 12:36	12/29/15 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150		12/23/15 12:36	12/29/15 16:32

TestAmerica Seattle

# Client Sample Results

Client: Innovex Environmental Management, Inc  
 Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 580-56068-7**

**Date Collected: 12/14/15 00:01**

**Matrix: Water**

**Date Received: 12/18/15 13:47**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/23/15 19:30	1
Toluene	ND	*	2.0	0.44	ug/L			12/23/15 19:30	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/23/15 19:30	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/23/15 19:30	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/23/15 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 120		12/23/15 19:30	1
4-Bromofluorobenzene (Surr)	97		75 - 120		12/23/15 19:30	1
Toluene-d8 (Surr)	101		85 - 120		12/23/15 19:30	1
Trifluorotoluene (Surr)	102		70 - 136		12/23/15 19:30	1
Dibromofluoromethane (Surr)	97		85 - 115		12/23/15 19:30	1

**Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	27	ug/L			12/24/15 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		12/24/15 06:51	1
Trifluorotoluene (Surr)	111		50 - 150		12/24/15 06:51	1

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 580-208558/4**

**Matrix: Water**

**Analysis Batch: 208558**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/23/15 18:03	1
Toluene	ND		2.0	0.44	ug/L			12/23/15 18:03	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/23/15 18:03	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/23/15 18:03	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/23/15 18:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 120		12/23/15 18:03	1
4-Bromofluorobenzene (Surr)	95		75 - 120		12/23/15 18:03	1
Toluene-d8 (Surr)	94		85 - 120		12/23/15 18:03	1
Trifluorotoluene (Surr)	101		70 - 136		12/23/15 18:03	1
Dibromofluoromethane (Surr)	101		85 - 115		12/23/15 18:03	1

**Lab Sample ID: LCS 580-208558/5**

**Matrix: Water**

**Analysis Batch: 208558**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	22.9		ug/L		114	80 - 120
Toluene	20.0	23.1		ug/L		115	75 - 120
Ethylbenzene	20.1	23.3		ug/L		116	75 - 125
m-Xylene & p-Xylene	20.0	23.4		ug/L		117	75 - 130
o-Xylene	20.0	24.0		ug/L		120	80 - 120
Methyl tert-butyl ether	20.0	24.8		ug/L		124	65 - 125
Xylenes, Total	40.1	47.4		ug/L		118	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Toluene-d8 (Surr)	95		85 - 120
Trifluorotoluene (Surr)	102		70 - 136
Dibromofluoromethane (Surr)	101		85 - 115

**Lab Sample ID: LCSD 580-208558/6**

**Matrix: Water**

**Analysis Batch: 208558**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.1	22.0		ug/L		109	80 - 120	4	30
Toluene	20.0	25.0	*	ug/L		125	75 - 120	8	30
Ethylbenzene	20.1	23.6		ug/L		117	75 - 125	1	30
m-Xylene & p-Xylene	20.0	23.4		ug/L		117	75 - 130	0	30
o-Xylene	20.0	23.8		ug/L		119	80 - 120	0	30
Methyl tert-butyl ether	20.0	20.7		ug/L		103	65 - 125	18	30
Xylenes, Total	40.1	47.2		ug/L		118	75 - 125	0	30

TestAmerica Seattle

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 580-208558/6**

**Matrix: Water**

**Analysis Batch: 208558**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Toluene-d8 (Surr)	106		85 - 120
Trifluorotoluene (Surr)	102		70 - 136
Dibromofluoromethane (Surr)	94		85 - 115

**Lab Sample ID: MB 580-208760/4**

**Matrix: Water**

**Analysis Batch: 208760**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		2.0	0.42	ug/L			12/29/15 15:49	1
Toluene	ND		2.0	0.44	ug/L			12/29/15 15:49	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/29/15 15:49	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			12/29/15 15:49	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/29/15 15:49	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	90		70 - 120		12/29/15 15:49	1
4-Bromofluorobenzene (Surr)	100		75 - 120		12/29/15 15:49	1
Toluene-d8 (Surr)	103		85 - 120		12/29/15 15:49	1
Trifluorotoluene (Surr)	104		70 - 136		12/29/15 15:49	1
Dibromofluoromethane (Surr)	93		85 - 115		12/29/15 15:49	1

**Lab Sample ID: LCS 580-208760/5**

**Matrix: Water**

**Analysis Batch: 208760**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	20.0	24.9	*	ug/L		124	75 - 120
Ethylbenzene	20.1	24.1		ug/L		120	75 - 125
m-Xylene & p-Xylene	20.0	24.0		ug/L		120	75 - 130
o-Xylene	20.0	24.3	*	ug/L		121	80 - 120
Methyl tert-butyl ether	20.0	23.2		ug/L		116	65 - 125
Xylenes, Total	40.1	48.3		ug/L		121	75 - 125

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		70 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	106		70 - 136
Dibromofluoromethane (Surr)	100		85 - 115

TestAmerica Seattle

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 580-208760/6**

**Matrix: Water**

**Analysis Batch: 208760**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.1	25.8	*	ug/L		128	80 - 120	4	30
Toluene	20.0	26.1	*	ug/L		130	75 - 120	5	30
Ethylbenzene	20.1	25.5	*	ug/L		127	75 - 125	5	30
m-Xylene & p-Xylene	20.0	25.1		ug/L		125	75 - 130	5	30
o-Xylene	20.0	25.1	*	ug/L		125	80 - 120	3	30
Methyl tert-butyl ether	20.0	22.2		ug/L		111	65 - 125	5	30
Xylenes, Total	40.1	50.2		ug/L		125	75 - 125	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Toluene-d8 (Surr)	101		85 - 120
Trifluorotoluene (Surr)	107		70 - 136
Dibromofluoromethane (Surr)	98		85 - 115

**Lab Sample ID: MB 580-208848/4**

**Matrix: Water**

**Analysis Batch: 208848**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.42	ug/L			12/30/15 14:49	1
Toluene	ND		2.0	0.44	ug/L			12/30/15 14:49	1
Ethylbenzene	ND		3.0	0.51	ug/L			12/30/15 14:49	1
Xylenes, Total	ND		3.0	0.50	ug/L			12/30/15 14:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 120		12/30/15 14:49	1
4-Bromofluorobenzene (Surr)	96		75 - 120		12/30/15 14:49	1
Toluene-d8 (Surr)	107		85 - 120		12/30/15 14:49	1
Trifluorotoluene (Surr)	95		70 - 136		12/30/15 14:49	1
Dibromofluoromethane (Surr)	91		85 - 115		12/30/15 14:49	1

**Lab Sample ID: LCS 580-208848/5**

**Matrix: Water**

**Analysis Batch: 208848**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.1	19.1		ug/L		95	80 - 120
Toluene	20.0	18.6		ug/L		93	75 - 120
Ethylbenzene	20.1	19.0		ug/L		95	75 - 125
o-Xylene	20.0	20.3		ug/L		101	80 - 120
Xylenes, Total	40.1	39.2		ug/L		98	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Toluene-d8 (Surr)	94		85 - 120

TestAmerica Seattle

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 580-208848/5**  
**Matrix: Water**  
**Analysis Batch: 208848**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	94		70 - 136
Dibromofluoromethane (Surr)	100		85 - 115

**Lab Sample ID: LCSD 580-208848/6**  
**Matrix: Water**  
**Analysis Batch: 208848**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.1	18.8		ug/L		94	80 - 120	2	30
Toluene	20.0	18.5		ug/L		93	75 - 120	0	30
Ethylbenzene	20.1	18.9		ug/L		94	75 - 125	1	30
o-Xylene	20.0	19.6		ug/L		98	80 - 120	3	30
Xylenes, Total	40.1	38.4		ug/L		96	75 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Toluene-d8 (Surr)	95		85 - 120
Trifluorotoluene (Surr)	92		70 - 136
Dibromofluoromethane (Surr)	100		85 - 115

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

**Lab Sample ID: MB 580-208576/5**  
**Matrix: Water**  
**Analysis Batch: 208576**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	27	ug/L			12/24/15 05:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150		12/24/15 05:15	1
Trifluorotoluene (Surr)	114		50 - 150		12/24/15 05:15	1

**Lab Sample ID: LCS 580-208576/6**  
**Matrix: Water**  
**Analysis Batch: 208576**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1160	1070		ug/L		92	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		50 - 150
Trifluorotoluene (Surr)	118		50 - 150

TestAmerica Seattle

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

**Lab Sample ID: LCSD 580-208576/7**

**Matrix: Water**

**Analysis Batch: 208576**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1160	1080		ug/L		93	79 - 110	1	20
<b>LCSD LCSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	108		50 - 150						
Trifluorotoluene (Surr)	118		50 - 150						

**Lab Sample ID: MB 580-208737/5**

**Matrix: Water**

**Analysis Batch: 208737**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	27	ug/L			12/29/15 13:42	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	98		50 - 150					12/29/15 13:42	1
Trifluorotoluene (Surr)	111		50 - 150					12/29/15 13:42	1

**Lab Sample ID: LCS 580-208737/6**

**Matrix: Water**

**Analysis Batch: 208737**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	1160	1070		ug/L		92	79 - 110		
<b>LCS LCS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	105		50 - 150						
Trifluorotoluene (Surr)	115		50 - 150						

**Lab Sample ID: LCSD 580-208737/7**

**Matrix: Water**

**Analysis Batch: 208737**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1160	1090		ug/L		93	79 - 110	2	20
<b>LCSD LCSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	105		50 - 150						
Trifluorotoluene (Surr)	115		50 - 150						

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

**Lab Sample ID: MB 580-208534/1-B**

**Matrix: Water**

**Analysis Batch: 208703**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 208534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	49.8	J	110	19	ug/L		12/23/15 12:36	12/29/15 14:30	1

TestAmerica Seattle

# QC Sample Results

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

**Lab Sample ID: MB 580-208534/1-B**  
**Matrix: Water**  
**Analysis Batch: 208703**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	ND		250	29	ug/L		12/23/15 12:36	12/29/15 14:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	133		50 - 150				12/23/15 12:36	12/29/15 14:30	1

**Lab Sample ID: LCS 580-208534/2-B**  
**Matrix: Water**  
**Analysis Batch: 208703**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	2000	2020		ug/L		101	59 - 120		
Motor Oil (>C24-C36)	2010	1980		ug/L		99	71 - 140		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
<i>o</i> -Terphenyl	95		50 - 150						

**Lab Sample ID: LCSD 580-208534/3-B**  
**Matrix: Water**  
**Analysis Batch: 208703**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 208534**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	2000		ug/L		100	59 - 120	1	27
Motor Oil (>C24-C36)	2010	1950		ug/L		97	71 - 140	2	27
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>o</i> -Terphenyl	92		50 - 150						

**Lab Sample ID: MB 580-208809/1-B**  
**Matrix: Water**  
**Analysis Batch: 209017**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 208809**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	19	ug/L		12/30/15 12:17	01/04/16 18:20	1
Motor Oil (>C24-C36)	ND		250	29	ug/L		12/30/15 12:17	01/04/16 18:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	79		50 - 150				12/30/15 12:17	01/04/16 18:20	1

**Lab Sample ID: LCS 580-208809/2-B**  
**Matrix: Water**  
**Analysis Batch: 209017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208809**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)	2000	1820		ug/L		91	59 - 120		
Motor Oil (>C24-C36)	2010	2030		ug/L		101	71 - 140		

TestAmerica Seattle



# QC Sample Results

Client: Innovex Environmental Management, Inc  
 Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

**Lab Sample ID: LCS 580-208809/2-B**  
**Matrix: Water**  
**Analysis Batch: 209017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 208809**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	85		50 - 150

**Lab Sample ID: LCSD 580-208809/3-B**  
**Matrix: Water**  
**Analysis Batch: 209017**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 208809**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
#2 Diesel (C10-C24)	2000	1670		ug/L		83	59 - 120	9	27	
Motor Oil (>C24-C36)	2010	1860		ug/L		93	71 - 140	9	27	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	80		50 - 150



# Lab Chronicle

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

**Client Sample ID: MW-4**  
**Date Collected: 12/16/15 12:44**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208760	12/29/15 19:35	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 08:58	D1R	TAL SEA
Total/NA	Prep	3510C			208809	12/30/15 12:17	RBL	TAL SEA
Total/NA	Cleanup	3630C			208816	12/30/15 12:41	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	209017	01/05/16 00:24	KZ1	TAL SEA

**Client Sample ID: MW-9**  
**Date Collected: 12/14/15 13:20**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208558	12/23/15 19:59	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 09:30	D1R	TAL SEA
Total/NA	Prep	3510C			208534	12/23/15 12:36	RBL	TAL SEA
Total/NA	Cleanup	3630C			208540	12/23/15 13:25	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	208703	12/29/15 15:31	NMI	TAL SEA

**Client Sample ID: MW-11**  
**Date Collected: 12/14/15 16:09**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208558	12/23/15 20:56	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 10:02	D1R	TAL SEA
Total/NA	Prep	3510C			208534	12/23/15 12:36	RBL	TAL SEA
Total/NA	Cleanup	3630C			208540	12/23/15 13:25	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	208703	12/29/15 15:51	NMI	TAL SEA

**Client Sample ID: MW-12**  
**Date Collected: 12/16/15 14:05**  
**Date Received: 12/18/15 13:47**

**Lab Sample ID: 580-56068-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208760	12/29/15 20:03	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 11:06	D1R	TAL SEA
Total/NA	Prep	3510C			208809	12/30/15 12:17	RBL	TAL SEA
Total/NA	Cleanup	3630C			208816	12/30/15 12:41	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	209017	01/05/16 00:41	KZ1	TAL SEA

# Lab Chronicle

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Client Sample ID: B-1 (JPHC)

Date Collected: 12/16/15 15:50

Date Received: 12/18/15 13:47

## Lab Sample ID: 580-56068-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	208848	12/30/15 18:39	IWH	TAL SEA
Total/NA	Analysis	8260B		1	208760	12/29/15 20:31	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 11:38	D1R	TAL SEA
Total/NA	Prep	3510C			208809	12/30/15 12:17	RBL	TAL SEA
Total/NA	Cleanup	3630C			208816	12/30/15 12:41	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	209017	01/05/16 00:59	KZ1	TAL SEA

## Client Sample ID: B-3 (JPHC)

Date Collected: 12/14/15 14:41

Date Received: 12/18/15 13:47

## Lab Sample ID: 580-56068-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208558	12/23/15 20:28	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 12:10	D1R	TAL SEA
Total/NA	Analysis	NWTPH-Gx	RA	1	208737	12/29/15 15:51	CJ	TAL SEA
Total/NA	Prep	3510C			208534	12/23/15 12:36	RBL	TAL SEA
Total/NA	Cleanup	3630C			208540	12/23/15 13:25	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	208703	12/29/15 16:32	NMI	TAL SEA

## Client Sample ID: Trip Blank

Date Collected: 12/14/15 00:01

Date Received: 12/18/15 13:47

## Lab Sample ID: 580-56068-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	208558	12/23/15 19:30	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	208576	12/24/15 06:51	D1R	TAL SEA

### Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

# Certification Summary

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

## Laboratory: TestAmerica Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C553	02-17-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl tert-butyl ether
8260B		Water	Toluene
8260B		Water	Xylenes, Total

# Sample Summary

Client: Innovex Environmental Management, Inc  
Project/Site: ARCO 980

TestAmerica Job ID: 580-56068-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-56068-1	MW-4	Water	12/16/15 12:44	12/18/15 13:47
580-56068-2	MW-9	Water	12/14/15 13:20	12/18/15 13:47
580-56068-3	MW-11	Water	12/14/15 16:09	12/18/15 13:47
580-56068-4	MW-12	Water	12/16/15 14:05	12/18/15 13:47
580-56068-5	B-1 (JPHC)	Water	12/16/15 15:50	12/18/15 13:47
580-56068-6	B-3 (JPHC)	Water	12/14/15 14:41	12/18/15 13:47
580-56068-7	Trip Blank	Water	12/14/15 00:01	12/18/15 13:47





bp Laboratory Management Program LaMP Chain of Custody Record

56608

BP Site Node Path: BP>USA>WA>KING>980  
BP Facility No: 980

Req Due Date (mm/dd/yy):  
Lab Work Order Number:

Standard Rush TAT: Yes No X

Lab Name: Test America Facility Address: 10822 Roosevelt Way NE Consultant/Contractor: INNOVEX

Lab Address: 5755 8th Street East, Tacoma, WA 98424 City, State, Zip Code: Seattle, WA 98125 Consultant/Contractor Project No: 100980.353.01

Lab PM: Robert Greer Lead Regulatory Agency: WA State Dept. of Ecology Address: 16310 NE 80th Street, Suite 300, Redmond, WA 98052

Lab Phone: 253-248-4971 California Global ID No.: NA Consultant/Contractor PM: Kate Waldo

Lab Shipping Acct: Pacific NW BP Sites Entos Proposal No: 005W8-0008 Phone: (425) 242-0611 Email: kate.waldo@innovex.net

Lab Bottle Order No: Accounting Mode: Provision 10 OOC-BU OOC-RM Email EDD To: jenny.heise@innovex.net and to lab.entosdoc@bp.com

Other Info: Stage: 60 Activity: 81 Invoice To: BP X Contractor

BP Project Manager (PM): Charles Carmel Matrix No. Containers / Preservative Requested Analyses Report Type & QC Level

BP PM Phone: (925) 275-3803 Matrix No. Containers / Preservative Requested Analyses Report Type & QC Level

BP PM Email: charles.carmel@bp.com Matrix No. Containers / Preservative Requested Analyses Report Type & QC Level

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Container	Unpreserved	H2SO4	HNO3	HCl	NA2S2O3	BTEX BY 8260	MTBE BY 8260	NWTPH-Gx	NWTPH-Dx	NWTPH-Ox	Comments
MMW-4		12/16/2015	1244	X	X	Y	8	8						X	X	X	X	X	
MMW-9		12/14/2015	1320	X	Y	Y	8	8						X	X	X	X	X	
MMW-11		12/14/2015	1609	X	Y	Y	8	8						X	X	X	X	X	
MMW-12		12/16/2015	1405	X	Y	Y	8	8						X	X	X	X	X	
B-1(JPHC)		12/16/2015	1550	X	Y	Y	8	8						X	X	X	X	X	
B-3(JPHC)		1/20/2015	1441	X	Y	Y	8	8						X	X	X	X	X	
Tip Blank		12/14/2015	6/18/1902	X	N	N	6	6						X	X	X	X	X	



580-56068 Chain of Custody

TB A2 Cooler - Cor 2.7 Unc 24  
Cooler Desc: Blandish@Lab 1600  
WetPacks Packing Bubble  
v/c5

Sampler's Name:	Andrea Winder/Jenny Heise	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	INNOVEX Environmental Management, Inc.	Jenny Heise - INNOVEX	12/18	1317	JASEH	12/18	1347
Shipment Method:	Lab Courier						
Shipment Tracking No:	Ship Date: 12/18/2015						

Special Instructions: Metals are NOI field filtered. EIM file requested. 2 coolers in shipment.

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: °F/C Trip Blank: Yes / No MSMSD Sample Submitted: Yes / No  
BP Remediation Management COC - Effective Date: starting August 16, 2011. BP LaMP COC Rev. 8, 24 June 2012

# Login Sample Receipt Checklist

Client: Innovex Environmental Management, Inc

Job Number: 580-56068-1

**Login Number: 56068**

**List Number: 1**

**Creator: Vance, Diane R**

**List Source: TestAmerica Seattle**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	