

Benzene History in Southern Compliance Monitoring Wells
BP West Coast Products Terminal 21T, Seattle, Washington

AMW-01 and AMW-02 Benzene Concentrations

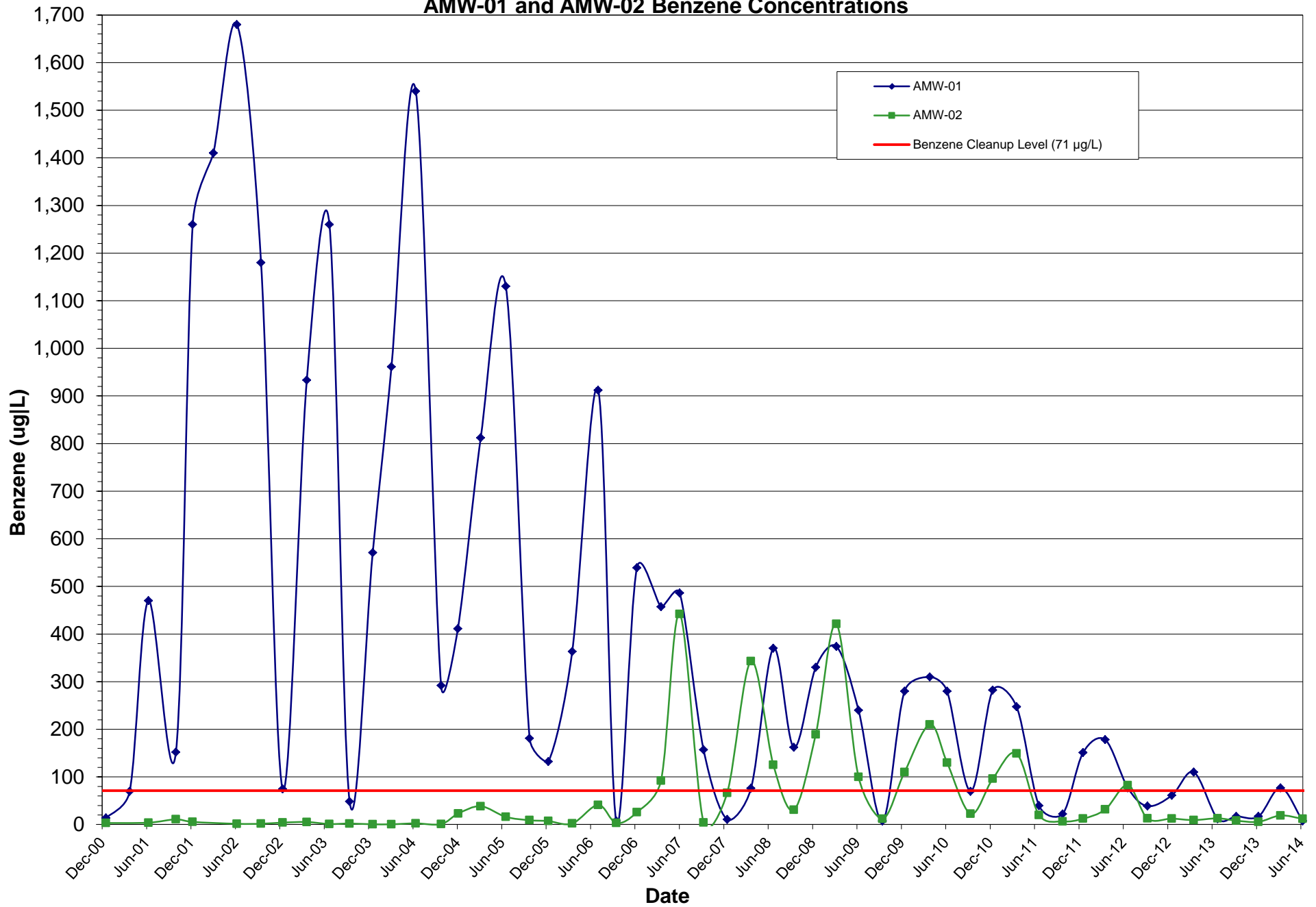


Table 7. Groundwater Monitoring Analytical Results for TPH and Benzene
BP West Coast Products, Terminal 21T, Harbor Island, Seattle, Washington

Well	Date	TPH-G WTPH-G (µg/L)	TPH-D WTPH-DX (µg/L)	TPH-O WTPH-DX (µg/L)	Benzene EPA 8021 & 8260 (µg/L)
Plant 1					
AMW-01	12/21/2000	ND	1,310	ND	14.0
AMW-01	3/28/2001	59.3	2,600	ND	69.6
AMW-01	6/13/2001	105 U	944	ND	470
AMW-01	10/4/2001	ND	851	ND	152
AMW-01	12/12/2001	ND	1700 J	ND UJ	1,260
AMW-01	3/7/2002	153	1,410	ND	1,410
AMW-01	6/12/2002	143 J	2,100	ND	1,680
AMW-01	9/19/2002	139 J	571 J	ND UJ	1,180
AMW-01	12/17/2002	196	2,190	ND	74.6
AMW-01	3/26/2003	101	2,100	ND	933
AMW-01	6/27/2003	ND	2,090	ND	1,260
AMW-01	9/18/2003	55	2,140	ND	48.5
AMW-01	12/22/2003	136	1750 J	ND	571
AMW-01	3/8/2004	ND UJ	ND	ND	961
AMW-01	6/16/2004	138	386	ND	1,540
AMW-01	9/28/2004	83	ND	ND	292
AMW-01	12/6/2004	103	ND	ND	411
AMW-01	3/10/2005	113	ND	ND	812
AMW-01	6/21/2005	129	ND	ND	1,130
AMW-01	9/27/2005	77	ND UJ	ND	181 J
AMW-01	12/13/2005	ND UJ	342	ND	132
AMW-01	3/21/2006	88	ND	ND	363
AMW-01	7/6/2006	ND UJ	ND	ND	912
AMW-01	9/18/2006	91.7	ND	ND	7.38
AMW-01	12/12/2006	1,650 J	ND UJ	ND UJ	539 J
AMW-01	3/21/2007	89.9	ND	ND	457
AMW-01	6/6/2007	61	ND	ND	486
AMW-01	9/12/2007	65	ND	ND	157
AMW-01	12/18/2007	ND	ND	ND	10.6 J
AMW-01	3/25/2008	ND	ND	ND	76
AMW-01	6/25/2008	64.9	ND	ND	370
AMW-01	9/17/2008	55.0	ND	ND	162
AMW-01	12/16/2008	ND	ND	ND	330
AMW-01	3/11/2009	ND	ND	ND	374
AMW-01	6/10/2009	ND	R	R	240 J
AMW-01	9/16/2009	ND	ND	ND	7.4
AMW-01	12/16/2009	ND	ND	ND	280
AMW-01	3/30/2010	ND	ND	ND	310
AMW-01	6/9/2010	ND	720	ND	280
AMW-01	9/14/2010	ND	ND	ND	69.7
AMW-01	12/14/2010	ND	ND	ND	282
AMW-01	3/22/2011	ND	ND	ND	247
AMW-01	6/22/2011	ND	300 J	ND	39.6
AMW-01	9/27/2011	ND	ND	ND	22.2
AMW-01	12/20/2011	ND	ND	ND	151
Cleanup Level		1,000	10,000	10,000	71

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Plant 1, continued					
AMW-01	3/20/2012	ND	ND	ND	178
AMW-01	6/21/2012	ND	ND	ND	77
AMW-01	9/10/2012	ND	ND	ND	38.7 J
AMW-01	12/19/2012	ND	ND	ND	61.2
AMW-01	3/19/2013	ND	ND	ND	110
AMW-01	6/25/2013	ND	ND	ND	12
AMW-01	9/10/2013	ND	ND	ND	17
AMW-01	12/10/2013	ND	ND	ND	17
AMW-01	3/11/2014	ND	990 J	ND	77
AMW-01	6/10/2014	ND UJ	1,100	ND	7.3
AMW-01					
AMW-01					
AMW-02	12/21/2000	ND	803	ND	3.14
AMW-02	3/28/2001	Not accessible due to earthquake damage to warehouse.			
AMW-02	6/13/2001	ND	999	ND	3.88 U
AMW-02	10/4/2001	ND	1,200	ND	10.90
AMW-02	12/12/2001	ND	1,500 J	ND UJ	5.47
AMW-02	3/7/2002	Not accessible due to repair of earthquake damage to warehouse.			
AMW-02	6/12/2002	ND	2,420	ND	1.49
AMW-02	9/19/2002	ND UJ	495 J	ND UJ	1.61
AMW-02	12/17/2002	ND	1,890	ND	4.08
AMW-02	3/26/2003	ND	2,200	ND	5.23
AMW-02	6/27/2003	ND	1,680	ND	1.11
AMW-02	9/18/2003	ND	2,430	790	2.01
AMW-02	12/22/2003	ND	1,880 J	ND	ND
AMW-02	3/8/2004	ND	ND	ND	ND
AMW-02	6/16/2004	ND	ND	ND	2.40
AMW-02	9/28/2004	ND	ND	ND	0.85
AMW-02	12/8/2004	ND	ND	ND	23.2
AMW-02	3/10/2005	ND	ND	ND	38.4
AMW-02	6/21/2005	ND	ND	ND	16.1
AMW-02	9/27/2005	ND	ND	ND	9.04
AMW-02	12/13/2005	ND	366	ND	7.26
AMW-02	3/21/2006	ND	ND	ND	2.16
AMW-02	7/6/2006	ND	ND	ND	41.1
AMW-02	9/18/2006	ND	ND	ND	3.18
AMW-02	12/12/2006	84.5 UJ	ND UJ	ND UJ	25.8 J
AMW-02	3/21/2007	ND	ND	ND	92.2
AMW-02	6/6/2007	ND	ND	ND	442
AMW-02	9/12/2007	ND	ND	ND	4.03 J
AMW-02	12/18/2007	ND	ND	ND	66.2
AMW-02	3/25/2008	75.9	ND	ND	343
AMW-02	6/25/2008	ND	ND	ND	125
AMW-02	9/17/2008	ND	ND	ND	30.7
Cleanup Level		1,000	10,000	10,000	71

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Plant 1, continued					
AMW-02	12/16/2008	ND	ND	ND	189
AMW-02	3/11/2009	ND	ND	ND	421
AMW-02	6/10/2009	ND	R	R	100
AMW-02	9/14/2010	ND	ND	ND	22.6
AMW-02	12/14/2010	ND	ND	ND	96.2
AMW-02	9/16/2009	ND	ND	ND	12
AMW-02	12/16/2009	ND	ND	ND	110
AMW-02	3/30/2010	ND	1,000	ND	210
AMW-02	6/9/2010	ND	1,000	260	130
AMW-02	3/22/2011	ND	ND	ND	149
AMW-02	6/22/2011	ND	ND	ND	20.0
AMW-02	9/27/2011	ND	ND	ND	6.5
AMW-02	12/20/2011	ND	ND	ND	12.2
AMW-02	3/20/2012	ND	ND	ND	31.6
AMW-02	6/21/2012	ND	ND	ND	82.5
AMW-02	9/10/2012	ND	ND	ND	12.7 J
AMW-02	12/19/2012	ND	ND	ND	12.4
AMW-02	3/19/2013	ND	ND	ND	9.3
AMW-02	6/25/2015	ND	ND	ND	13.0
AMW-02	9/10/2013	ND	ND	ND	8.1
AMW-02	12/10/2013	ND	ND	ND	5.7
AMW-02	3/11/2014	ND	ND	ND	19.0
AMW-02	6/10/2014	ND UJ	320	ND	12.0