SEMI-ANNUAL GROUNDWATER MONITORING REPORT

First Half of 2013

76 Retail Station #2611255

19924 International Boulevard, SeaTac, Washington 98188

Ecology Facility ID No. 71711362

VCP No. NW2690

Antea® Group Project No. I42611255
October 31, 2013

Prepared for:
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Inogen Environmental Alliance

Antea USA, Inc.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT
First Half of 2013
76 Retail Station #2611255
October 31, 2013

Facility No.: 2611255

Address: 19924 International Blvd, Seatac, WA

Consulting Co./Contact Person: Antea Group / Bryan Taylor

Voluntary Cleanup Program Number: NW2690

Primary Agency/Regulatory ID No.: Washington State Department of Ecology / 71711362

WORK PERFORMED DURING THE FIRST HALF OF 2013:

- Antea®Group (Antea Group) conducted quarterly groundwater monitoring and sampling events on March 21 and June 25, 2013.
- Antea Group conducted an Air-Sparge/Soil Vapor Extraction (AS/SVE) Pilot Test from February 11 to February 13, 2013. Results will be presented in a separate report.
- Antea Group conducted subsurface investigations on March 13, March 14, March 26, and June 10 to June 12, 2013. Results will be presented in a separate report.
- Antea Group prepared this semi-annual groundwater monitoring report.

WORK SCHEDULED FOR THE SECOND HALF OF 2013:

- Antea Group will conduct quarterly groundwater monitoring and sampling.
- Antea Group will prepare a semi-annual groundwater monitoring report.

Current Phase of Project:	Remedial Investigation
Frequency of Groundwater Sampling and Monitoring:	Quarterly
Are LPH Present On-Site:	No
LPH Recovered this Reporting Period:	None
Cumulative LPH Recovered to Date:	1,450 gallons total fluids via Enhanced Liquid Recovery (ELR)
Amount of Soil Removed to Date:	Unknown
Current Remediation Techniques:	Pending Remedial Investigation
Approximate Depth to Groundwater:	27.64 ft to 46.55 ft (3/21/13); 18.82 ft to 46.30 ft (6/25/13)

Groundwater Gradient:	Southwest
	0.02 ft / linear ft (3/21/13); 0.04 ft / linear ft (6/25/13)

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

Sincerely,

Bryan Taylor
Consultant

cc: Mr. Dale Myers, Washington State Department of Ecology, Northwest Regional Office
File, Antea Group (iEHS)

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TABLE 1
CURRENT GROUNDWATER GAUGING AND ANALYTICAL DATA
Facility No. 2611255
19924 International Boulevard
SeaTac, Washington

Sample I.D.	Sample Date	TOC (feet)	DTW (feet)	LNAPL (feet)	WTE (feet)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)
MW-1	03/21/13	99.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	99.73	27.33	--	72.40	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/21/13	98.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	98.89	26.48	--	72.41	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/21/13	98.28	40.30	--	57.98	--	--	<100	<1.0	<1.0	<1.0	<3.0	--	--	--	**47.5**
	06/11/13	**ABANDONED**														
MW-5	03/21/13	97.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	97.75	18.82	--	78.93	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/21/13	98.77	29.22	--	69.55	--	--	**26,000**	**227**	<10.0	501	**1,140**	--	--	--	<3.0
	06/25/13	98.77	29.09	--	69.68	**--**	--	**28,200**	**247**	<10.0	463	**1,020**	--	--	--	<10.0
MW-7	03/21/13	98.42	28.02	--	70.40	--	--	564	<1.0	<1.0	3.6	3.7	--	--	--	<3.0
	06/25/13	98.42	27.81	--	70.61	--	--	104	<1.0	<1.0	1.8	<3.0	--	--	--	<10.0
MW-8	03/21/13	98.80	46.55	--	52.25	--	--	<100	<1.0	<1.0	<1.0	<3.0	--	--	--	<3.0
	06/11/13	**ABANDONED**														
MW-9	03/21/13	98.99	29.25	--	69.74	--	--	**2,210**	**30.7**	<1.0	53.0	26.9	--	--	--	<3.0
	06/25/13	98.99	29.08	--	69.91	**--**	--	**2,810**	**57.8**	1.1	95.0	28.9	--	--	--	<10.0
MW-10	03/21/13	98.51	28.63	--	69.88	--	--	**41,400**	<20.0	<20.0	**1,000**	**4,980**	--	--	--	3.3
	06/25/13	98.51	28.41	--	70.10	**--**	--	**29,900**	1.0	1.3	321	**1,240**	--	--	--	<10.0
MW-11	03/21/13	98.11	27.64	--	70.47	--	--	<100	<1.0	<1.0	<1.0	<3.0	--	--	--	<3.0
	06/25/13	98.11	27.38	--	70.73	--	--	<100	<1.0	<1.0	<1.0	<3.0	--	--	--	<10.0
MW-12	03/21/13	97.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	97.76	26.95	--	70.81	--	--	--	--	--	--	--	--	--	--	--
MW-13	03/21/13	97.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	97.33	26.85	--	70.48	--	--	--	--	--	--	--	--	--	--	--
MW-14	03/21/13	99.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	99.20	29.41	--	69.79	--	--	<100	<1.0	<1.0	2.0	3.8	--	--	--	<10.0

TABLE 1
CURRENT GROUNDWATER GAUGING AND ANALYTICAL DATA
Facility No. 2611255
19924 International Boulevard
SeaTac, Washington

Sample I.D.	Sample Date	TOC (feet)	DTW (feet)	LNAPL (feet)	WTE (feet)	TPH-Diesel (µg/L)	TPH-Oil (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Lead (µg/L)
MW-15	03/21/13	98.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/13	98.49	28.16	--	70.33	--	--	<100	<1.0	<1.0	<1.0	<3.0	--	--	--	<10.0
MW-16	03/21/13	98.35	28.68	--	69.67	--	--	**46,900**	**622**	**2,000**	**1,150**	**4,920**	--	--	--	<3.0
	06/25/13	98.35	28.42	--	69.93	**--**	--	**53,400**	**621**	**3,050**	**1,430**	**6,460**	--	--	--	<10.0
MW-17	03/21/13	99.39	29.31	--	70.08	--	--	**2,840**	**36.3**	1.3	77.3	31.4	--	--	--	3.9
	06/25/13	99.39	29.13	--	70.26	**--**	--	**896**	**6.2**	<1.0	5.6	<3.0	--	--	--	<10.0
MW-18	06/25/13	NE	27.65	--	NE	**--**	--	**3,270**	<1.0	<1.0	32.7	239	<1.0	<1.0	<1.0	<10.0
MW-19	06/25/13	NE	28.22	--	NE	**--**	--	**95,600**	**1,290**	864	**4,040**	**22,900**	<50.0	<50.0	<50.0	<10.0
MTCA Method A Cleanup Levels:						**500**	**500**	**800***	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**

Notes:
µg/L = micrograms per liter
TOC = Top of casing elevation
DTW = Depth to water
LNAPL = Light non-aqueous phase liquid thickness
WTE = Water table elevation
<N = Not detected at the laboratory reporting limits
-- = Not sampled, not measured, or not analyzed
NE = Top of casing elevation not established
Water table elevation corrected for separate-phase hydrocarbons
TPH as Gasoline = Total petroleum hydrocarbons as gasoline by Method NWTPH-Gx
TPH as Diesel = Total petroleum hydrocarbons as diesel by Method NWTPH-Dx with silica gel cleanup
TPH as Oil = Total petroleum hydrocarbons as oil by Method NWTPH-Dx with silica gel cleanup
BTEX, Methyl-tert-butyl ether(MTBE), 1,2-Dibromoethane(EDB), and 1,2-Dichloroethane(EDC) analyzed by EPA Method 8260
Total lead by EPA Method 6010
* MTCA Method A Cleanup Level for TPH-Gasoline is 1,000 (µg/l) if benzene is not detectable in groundwater.

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-1	4/16/1991	99.73	NP	26.58	NP	73.15	--	--	--	--	--	--	--
	6/27/1991	99.73	NP	26.80	NP	72.93	--	--	--	--	--	--	--
	1/16/1992	99.73	NP	28.60	NP	71.13	--	--	<100	<1	<1	<1	<0.5
	1/23/1992	99.73	NP	28.75	NP	70.98	--	--	--	--	--	--	--
	1/31/1992	99.73	NP	28.56	NP	71.17	--	--	--	--	--	--	--
	8/24/1993	99.73	NP	29.32	NP	70.41	--	--	<50	<0.5	<0.5	1	89
	11/30/1993	99.73	NP	29.98	NP	69.75	--	--	<100	<0.5	<0.5	<0.5	6
	3/7/1994	99.73	NP	30.63	NP	69.10	--	--	<100	<0.5	<0.5	<0.5	<0.5
	7/14/1994	99.73	NP	30.00	NP	69.73	--	--	<100	<0.5	<0.5	<0.5	<0.5
	10/21/1994	99.73	NP	30.44	NP	69.29	--	--	<100	<0.5	1	5	3
	12/30/1994	99.73	NP	30.86	NP	68.87	--	--	<100	<0.5	<0.5	1	<0.5
	3/16/1995	99.73	NP	29.64	NP	70.09	--	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1995	99.73	NP	28.92	NP	70.81	--	--	<100	<0.5	<0.5	<0.5	<0.5
	9/19/1995	99.73	NP	29.14	NP	70.59	--	--	<100	<0.5	<0.5	<0.5	<0.5
	12/18/1995	99.73	NP	28.78	NP	70.95	--	--	<100	<0.5	<0.5	<0.5	<0.5
	3/14/1996	99.73	NP	27.38	NP	72.35	--	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1996	99.73	NP	27.16	NP	72.57	--	--	<100	<0.5	<0.5	<0.5	<0.5
	9/12/1996	99.73	NP	27.33	NP	72.40	--	--	<100	<0.5	<0.5	<0.5	<0.5
	12/17/1996	99.73	NP	27.64	NP	72.09	--	--	<100	<0.5	<0.5	<0.5	<1.5
	3/18/1997	99.73	NP	26.11	NP	73.62	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/12/1997	99.73	NP	25.82	NP	73.91	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/10/1997	99.73	NP	26.17	NP	73.56	--	--	<100	<0.5	<0.5	<0.5	<1.5
	3/17/1998	99.73	NP	26.63	NP	73.10	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/16/1998	99.73	NP	27.20	NP	72.53	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/29/1998	99.73	NP	28.75	NP	70.98	--	--	--	--	--	--	--
	12/10/1998	99.73	NP	29.53	NP	70.20	--	--	--	--	--	--	--
	3/10/1999	99.73	NP	27.23	NP	72.50	--	--	--	--	--	--	--
	6/22/1999	99.73	NP	26.54	NP	73.19	--	--	<100	<1.0	<1.0	1	<1.0
	9/28/1999	99.73	NP	27.66	NP	72.07	--	--	--	--	--	--	--
	1/4/2000	99.73	NP	28.56	NP	71.17	--	--	--	--	--	--	--
	3/30/2000	99.73	NP	27.21	NP	72.52	--	--	--	--	--	--	--
	6/27/2000	99.73	NP	26.85	NP	72.88	--	--	730	2	14	1	34
	9/25/2000	99.73	NP	28.19	NP	71.54	--	--	--	--	--	--	--
	9/16/2001	99.73	NP	32.71	NP	67.02	--	--	<100	<1.0	<1.0	<1.0	<3.0
	12/4/2001	99.73	NP	33.11	NP	66.62	--	--	140	<1.0	1.2	<1.0	7.3
	3/14/2002	99.73	NP	30.25	NP	69.48	--	--	310	<1.0	3.5	<1.0	19
	6/9/2002	99.73	NP	31.52	NP	68.21	--	--	120	<1.0	1.3	<1.0	6.9
	12/18/2002	99.73	NP	33.51	NP	66.22	NS	NS	NS	NS	NS	NS	NS
	6/3/2003	99.73	NP	31.15	NP	68.58	--	--	<50.0	<0.500	<0.500	<0.500	<1.00
	10/10/2003	99.73	NP	33.02	NP	66.71	NS	NS	NS	NS	NS	NS	NS
	4/26/2004	99.73	NP	29.98	NP	69.75	--	--	<50.0	<0.500	<0.500	<0.500	<1.00
	10/28/2004	99.73	NP	27.62	NP	72.11	NS	NS	NS	NS	NS	NS	NS
	4/27/2005	99.73	NP	31.71	NP	68.02	--	--	<80.0	<0.200	<0.500	<0.500	<1.00
	11/22/2005	99.73	NP	32.98	NP	66.75	--	--	<50.0	<0.500	<0.500	<0.500	<1.00
	4/25/2006	99.73	NP	30.08	NP	69.65	NS	NS	NS	NS	NS	NS	NS
	10/27/2006	99.73	NP	30.68	NP	69.05	NS	NS	NS	NS	NS	NS	NS
	4/4/2007	99.73	NP	28.62	NP	71.11	NS	NS	NS	NS	NS	NS	NS
	11/19/2007	99.73	NP	29.57	NP	70.16	NS	NS	NS	NS	NS	NS	NS
	6/12/2008	99.73	NP	28.94	NP	70.79	NS	NS	NS	NS	NS	NS	NS
	10/29/2008	99.73	NP	29.82	NP	69.91	NS	NS	NS	NS	NS	NS	NS
	5/15/2009	99.73	NP	28.81	NP	70.92	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	2/11/2010	99.73	NP	28.61	NP	71.12	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	9/2/2010	99.73	NP	26.70	NP	73.03	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	99.73	NP	26.31	NP	73.42	<77	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/10/2012	99.73	NP	28.61	NP	71.12	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	99.73	NP	27.00	NP	72.73	<154	<481	<50.0	2.7	1.3	<1.0	4.8
	3/21/2013	99.73	NP	--	NP	--	--	--	--	--	--	--	--
	6/25/2013	99.73	NP	27.33	NP	72.4	--	--	--	--	--	--	--

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		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-3	4/16/1991	98.89	NP	27.01	NP	71.88	--	--	--	--	--	--	--
	6/27/1991	98.89	NP	26.68	NP	72.21	--	--	--	--	--	--	--
	1/16/1992	98.89	NP	28.38	NP	70.51	--	--	<100	**5**	<1	5	5
	1/23/1992	98.89	NP	28.46	NP	70.43	--	--	--	--	--	--	--
	1/31/1992	98.89	NP	28.26	NP	70.63	--	--	--	--	--	--	--
	8/24/1993	98.89	NP	28.59	NP	70.30	--	--	--	--	--	--	--
	11/30/1993	98.89	NP	29.25	NP	69.64	--	--	<100	<0.5	<0.5	<0.5	<0.5
	3/7/1994	98.89	NP	29.60	NP	69.29	--	--	<100	1	<0.5	<0.5	<0.5
	7/14/1994	98.89	NP	29.08	NP	69.81	--	--	<100	1	<0.5	<0.5	<0.5
	10/21/1994	98.89	NP	29.32	NP	69.57	--	--	<100	1	<0.5	<0.5	1
	12/30/1994	98.89	NP	29.58	NP	69.31	--	--	<100	1	<0.5	1	1
	3/16/1995	98.89	NP	28.67	NP	70.22	--	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1995	98.89	NP	28.14	NP	70.75	--	--	<100	<0.5	<0.5	<0.5	<0.5
	9/19/1995	98.89	NP	28.24	NP	70.65	--	--	<100	1	<0.5	<0.5	<0.5
	12/18/1995	98.89	NP	28.10	NP	70.79	--	--	<100	<0.5	<0.5	<0.5	<0.5
	3/14/1996	98.89	NP	26.95	NP	71.94	--	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1996	98.89	NP	26.52	NP	72.37	--	--	<100	**7**	7	<0.5	4
	9/12/1996	98.89	NP	26.60	NP	72.29	--	--	<100	2	<0.5	<0.5	<0.5
	12/17/1996	98.89	NP	26.75	NP	72.14	--	--	130	**6**	3	<0.5	5
	3/18/1997	98.89	NP	25.33	NP	73.56	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/12/1997	98.89	NP	25.25	NP	73.64	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/10/1997	98.89	NP	25.91	NP	72.98	--	--	<100	<0.5	<0.5	<0.5	<1.5
	3/17/1998	98.89	NP	25.92	NP	72.97	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/16/1998	98.89	NP	26.33	NP	72.56	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/29/1998	98.89	NP	27.28	NP	71.61	--	--	--	--	--	--	--
	12/10/1998	98.89	NP	28.04	NP	70.85	--	--	--	--	--	--	--
	3/10/1999	98.89	NP	26.60	NP	72.29	--	--	--	--	--	--	--
	6/22/1999	98.89	NP	25.99	NP	72.90	--	--	<100	<1.0	<1.0	<1.0	<1.0
	9/28/1999	98.89	NP	26.88	NP	72.01	--	--	--	--	--	--	--
	3/30/2000	98.89	NP	26.74	NP	72.15	--	--	--	--	--	--	--
	6/27/2000	98.89	NP	26.40	NP	72.49	--	--	<50	<0.5	<0.5	<0.5	<0.5
	9/25/2000	98.89	NP	27.00	NP	71.89	--	--	--	--	--	--	--
	12/27/2000	98.89	NP	28.05	NP	70.84	--	--	--	--	--	--	--
	9/16/2001	98.89	NP	29.40	NP	69.49	--	--	--	--	--	--	--
	12/4/2001	98.89	NP	29.60	NP	69.29	--	--	**940**	**25**	5	<1.0	39
	3/14/2002	98.89	NP	28.54	NP	70.35	--	--	--	--	--	--	--
	6/9/2002	98.89	NP	28.00	NP	70.89	--	--	--	--	--	--	--
	12/18/2002	98.89	NP	29.53	NP	69.36	NS	NS	NS	NS	NS	NS	NS
	6/3/2003	98.89	NP	28.64	NP	70.25	NS	NS	NS	NS	NS	NS	NS
	10/10/2003	98.89	NP	29.35	NP	69.54	NS	NS	NS	NS	NS	NS	NS
	4/26/2004	98.89	NP	28.21	NP	70.68	NS	NS	NS	NS	NS	NS	NS
	10/28/2004	98.89	NP	27.30	NP	71.59	NS	NS	NS	NS	NS	NS	NS
	4/27/2005	98.89	NP	28.98	NP	69.91	NS	NS	NS	NS	NS	NS	NS
	11/22/2005	98.89	NP	29.40	NP	69.49	NS	NS	NS	NS	NS	NS	NS
	4/25/2006	98.89	NP	28.40	NP	70.49	--	--	<50.0	<0.500	<0.500	<0.500	<1.00
	10/27/2006	98.89	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	4/4/2007	98.89	NP	27.39	NP	71.50	NS	NS	NS	NS	NS	NS	NS
	11/19/2007	98.89	NP	28.27	NP	70.62	NS	NS	NS	NS	NS	NS	NS
	6/12/2008	98.89	NP	27.54	NP	71.35	NS	NS	NS	NS	NS	NS	NS
	10/29/2008	98.89	NP	28.39	NP	70.50	NS	NS	NS	NS	NS	NS	NS
	5/15/2009	98.89	NP	27.30	NP	71.59	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	2/11/2010	98.89	NP	27.28	NP	71.61	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	9/2/2010	98.89	NP	26.22	NP	72.67	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	98.89	NP	25.97	NP	72.92	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/9/2012	98.89	NP	27.44	NP	71.45	<81	<400	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	98.89	NP	26.57	NP	72.32	<167	<521	<50.0	<1.0	<1.0	<1.0	<3.0
	3/12/2013	98.89	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/25/2013	98.89	NP	26.48	NP	72.41	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-4	4/16/1991	98.28	NP	27.78	NP	70.50	--	--	--	--	--	--	--
	6/27/1991	98.28	27.59	27.60	0.01	70.69	--	--	--	--	--	--	--
	12/30/1994	98.28	NP	44.66	NP	53.62	--	--	**71000**	**8600**	**1200**	**10000**	**8400**
	3/16/1995	98.28	NP	43.21	NP	55.07	--	--	**40000**	**5600**	560	**7000**	**4100**
	6/22/1995	98.28	NP	42.74	NP	55.54	--	--	--	--	--	--	--
	9/19/1995	98.28	NP	42.27	NP	56.01	--	--	**2100**	**360**	5	200	420
	12/18/1995	98.28	NP	42.48	NP	55.80	--	--	**38000**	**3300**	**980**	**4900**	**6500**
	3/14/1996	98.28	NP	40.75	NP	57.53	--	--	--	--	--	--	--
	6/22/1996	98.28	39.91	39.92	0.01	58.37	--	--	--	--	--	--	--
	9/12/1996	98.28	NP	39.16	NP	59.12	--	--	--	--	--	--	--
	9/29/1998	98.28	NG	NG	NG	NG	--	--	**14000**	**18**	17	45	180
	12/10/1998	98.28	NG	NG	NG	NG	--	--	420	<1.0	<1.0	<1.0	22
	3/10/1999	98.28	NG	NG	NG	NG	--	--	**2400**	**39**	53	100	370
	6/22/1999	98.28	NG	NG	NG	NG	--	--	**1500**	**31**	21	57	200
	9/28/1999	98.28	NG	NG	NG	NG	--	--	610	**12**	9	19	82
	1/4/2000	98.28	NG	NG	NG	NG	--	--	270	**23**	7	18	62
	3/30/2000	98.28	NG	NG	NG	NG	--	--	280	**8**	6	11	52
	6/27/2000	98.28	NG	NG	NG	NG	--	--	**1700**	**29**	30	84	270
	9/25/2000	98.28	NG	NG	NG	NG	--	--	140	4	5.5	2.1	30
	12/27/2000	98.28	NP	23.29	NP	74.99	--	--	130	<1	<1	<1	<3
	9/16/2001	98.28	NP	43.52	NP	54.76	--	--	**980**	**16**	6.6	7.7	50
	12/4/2001	98.28	NP	43.60	NP	54.68	--	--	--	--	--	--	--
	3/14/2002	98.28	NP	42.23	NP	56.05	--	--	120	<1.0	<1.0	<1.0	6.3
	6/9/2002	98.28	NP	42.30	NP	55.98	--	--	<100	<1.0	<1.0	<1.0	<3.0
	12/18/2002	98.28	NP	42.60	NP	55.68	NS	NS	NS	NS	NS	NS	NS
	6/3/2003	98.28	NP	42.32	NP	55.96	--	--	<50.0	1.14	<0.500	<0.500	<1.00
	10/10/2003	98.28	NP	43.42	NP	54.86	NS	NS	NS	NS	NS	NS	NS
	4/26/2004	98.28	NP	41.91	NP	56.37	--	--	99	2.64	<0.500	4.16	18.3
	10/28/2004	98.28	NP	30.02	NP	68.26	NS	NS	NS	NS	NS	NS	NS
	4/27/2005	98.28	NP	42.43	NP	55.85	--	--	<80.0	**5.99**	<0.500	<0.500	1.49
	11/22/2005	98.28	NP	42.57	NP	55.71	--	--	176	**10.4**	2.71	2.82	17.3
	4/25/2006	98.28	NP	41.88	NP	56.40	--	--	539	**13.2**	5.08	19.6	119
	10/27/2006	98.28	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	4/4/2007	98.28	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	11/19/2007	98.28	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	6/12/2008	98.28	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	5/15/2009	98.28	NP	33.00	NP	65.28	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	2/11/2010	98.28	NP	40.52	NP	57.76	--	--	60.0	<1.0	<1.0	<1.0	<3.0
	9/2/2010	98.28	NP	29.90	NP	68.38	110	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	98.28	NP	30.00	NP	68.28	<110	<570	<50.0	<1.0	<1.0	<1.0	<3.0
	2/10/2012	98.28	NP	37.04	NP	61.24	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	98.28	NP	28.3	NP	69.98	<154	<481	<50.0	<1.0	2.3	1.8	8.0
	3/12/2013	98.28	NP	40.30	NP	57.98	--	--	<100	<1.0	<1.0	<1.0	<3.0
	6/11/2013	**ABANDONED**											

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							500	500	800	5	700	1000	1000
MW-5	4/16/1991	97.75	NP	17.14	NP	80.61	--	--	--	--	--	--	--
	6/27/1991	97.75	NP	19.01	NP	78.74	--	--	--	--	--	--	--
	1/16/1992	97.75	NP	19.39	NP	78.36	--	--	<100	<1	<1	<1	<1
	1/23/1992	97.75	NP	19.29	NP	78.46	--	--	--	--	--	--	--
	1/31/1992	97.75	NP	19.62	NP	78.13	--	--	--	--	--	--	--
	8/24/1993	97.75	NP	20.72	NP	77.03	--	--	<5	<0.5	<0.5	<0.5	<0.5
	11/30/1993	97.75	NP	22.47	NP	75.28	--	--	<100	<0.5	<0.5	<0.5	<0.5
	3/7/1994	97.75	NP	20.45	NP	77.30	--	--	<100	<0.5	<0.5	<0.5	<0.5
	7/14/1994	97.75	NP	20.67	NP	77.08	400	--	<100	<0.5	<0.5	<0.5	<0.5
	10/21/1994	97.75	NP	21.48	NP	76.27	<260	--	<100	1	<0.5	<0.5	<0.5
	12/30/1994	97.75	NP	20.53	NP	77.22	<240	--	<100	<0.5	<0.5	<0.5	<0.5
	3/16/1995	97.75	NP	18.11	NP	79.64	<240	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1995	97.75	NP	19.86	NP	77.89	<240	--	<100	<0.5	<0.5	<0.5	<0.5
	9/19/1995	97.75	NP	20.25	NP	77.50	--	--	<100	<0.5	<0.5	<0.5	<0.5
	12/18/1995	97.75	NP	17.99	NP	79.76	--	--	<100	<0.5	<0.5	<0.5	<0.5
	3/14/1996	97.75	NP	17.58	NP	80.17	--	--	<100	<0.5	<0.5	<0.5	<0.5
	6/22/1996	97.75	NP	18.41	NP	79.34	--	--	<100	<0.5	<0.5	<0.5	<0.5
	9/12/1996	97.75	NP	18.90	NP	78.85	--	--	<100	<0.5	<0.5	<0.5	<0.5
	12/17/1996	97.75	NP	17.29	NP	80.46	--	--	<100	<0.5	<0.5	<0.5	<1.5
	3/18/1997	97.75	NP	16.29	NP	81.46	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/12/1997	97.75	NP	17.42	NP	80.33	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/10/1997	97.75	NP	19.30	NP	78.45	--	--	<100	<0.5	<0.5	<0.5	<1.5
	3/17/1998	97.75	NP	17.03	NP	80.72	--	--	<100	<0.5	<0.5	<0.5	<1.5
	6/16/1998	97.75	NP	18.86	NP	78.89	--	--	<100	<0.5	<0.5	<0.5	<1.5
	9/29/1998	97.75	NP	20.30	NP	77.45	--	--	--	--	--	--	--
	12/10/1998	97.75	NP	20.13	NP	77.62	--	--	--	--	--	--	--
	3/10/1999	97.75	NP	16.96	NP	80.79	--	--	--	--	--	--	--
	6/22/1999	97.75	NP	18.96	NP	78.79	--	--	--	--	--	--	--
	9/28/1999	97.75	NP	20.79	NP	76.96	--	--	--	--	--	--	--
	1/4/2000	97.75	NP	18.55	NP	79.20	--	--	--	--	--	--	--
	3/30/2000	97.75	NP	17.94	NP	79.81	--	--	--	--	--	--	--
	6/27/2000	97.75	NP	18.98	NP	78.77	--	--	--	--	--	--	--
	9/25/2000	97.75	NP	20.47	NP	77.28	--	--	--	--	--	--	--
	12/27/2000	97.75	NP	26.46	NP	71.29	--	--	--	--	--	--	--
	9/16/2001	97.75	NP	21.63	NP	76.12	--	--	--	--	--	--	--
	12/4/2001	97.75	NG	NG	NG	NG	--	--	--	--	--	--	--
	3/14/2002	97.75	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/9/2002	97.75	NP	20.22	NP	77.53	--	--	--	--	--	--	--
	12/18/2002	97.75	NP	22.50	NP	75.25	NS	NS	NS	NS	NS	NS	NS
	6/3/2003	97.75	NP	19.29	NP	78.46	NS	NS	NS	NS	NS	NS	NS
	10/10/2003	97.75	NP	22.22	NP	75.53	NS	NS	NS	NS	NS	NS	NS
	4/26/2004	97.75	NP	31.13	NP	66.62	NS	NS	NS	NS	NS	NS	NS
	10/28/2004	97.75	NP	27.98	NP	69.77	NS	NS	NS	NS	NS	NS	NS
	4/27/2005	97.75	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	11/22/2005	97.75	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	4/25/2006	97.75	NP	29.70	NP	68.05	NS	NS	NS	NS	NS	NS	NS
	10/27/2006	97.75	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	4/4/2007	97.75	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	11/19/2007	97.75	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS
	6/12/2008	97.75	NP	19.70	NP	78.05	NS	NS	NS	NS	NS	NS	NS
	10/29/2008	97.75	NP	21.15	NP	76.60	NS	NS	NS	NS	NS	NS	NS
	5/15/2009	97.75	NP	18.21	NP	79.54	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	2/11/2010	97.75	NP	17.76	NP	79.99	--	--	<50.0	<1.0	<1.0	<1.0	<3.0
	9/2/2010	97.75	NP	19.50	NP	78.25	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	97.75	NP	19.85	NP	77.90	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/10/2012	97.75	NP	18.14	NP	79.61	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	97.75	NP	19	NP	78.75	<154	<481	<50.0	<1.0	1.6	1.3	6.0
	3/12/2013	97.75	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/25/2013	97.75	NP	18.82	NP	78.93	--	--	--	--	--	--	--

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Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-6	1/16/1992	98.77	NP	31.12	NP	67.65	--	--	**9100**	**240**	260	210	**14000**
	1/23/1992	98.77	NP	31.25	NP	67.52	--	--	--	--	--	--	--
	1/31/1992	98.77	NP	31.32	NP	67.45	--	--	--	--	--	--	--
	8/24/1993	98.77	NP	30.96	NP	67.81	--	--	**81000**	**11000**	**2800**	**11000**	**16000**
	11/30/1993	98.77	NP	31.23	NP	67.54	--	--	**39000**	**5800**	**1100**	**4700**	**6100**
	3/7/1994	98.77	31.78	31.84	0.06	66.98	--	--	--	--	--	--	--
	7/14/1994	98.77	31.54	31.77	0.23	67.17	--	--	--	--	--	--	--
	10/21/1994	98.77	31.83	31.95	0.12	66.91	--	--	--	--	--	--	--
	12/30/1994	98.77	29.53	32.46	2.93	68.51	--	--	--	--	--	--	--
	3/16/1995	98.77	30.51	30.57	0.06	68.25	--	--	--	--	--	--	--
	6/22/1995	98.77	30.7	30.75	0.05	68.06	--	--	--	--	--	--	--
	9/19/1995	98.77	30.66	30.68	0.02	68.11	--	--	--	--	--	--	--
	12/18/1995	98.77	29.76	29.78	0.02	69.01	--	--	--	--	--	--	--
	3/14/1996	98.77	NP	28.51	NP	70.26	--	--	--	--	--	--	--
	6/22/1996	98.77	28.54	28.56	0.02	70.23	--	--	--	--	--	--	--
	9/12/1996	98.77	27.83	27.85	0.02	70.94	--	--	--	--	--	--	--
	12/17/1996	98.77	28.98	28.99	0.01	69.79	--	--	--	--	--	--	--
	3/17/1998	98.77	NG	NG	NG	NG	--	--	**66500**	**3800**	**2600**	**4100**	**15300**
	9/29/1998	98.77	NG	NG	NG	NG	--	--	**79000**	**1900**	**2500**	**1200**	**14000**
	12/10/1998	98.77	NG	NG	NG	NG	--	--	**68000**	**1000**	**2100**	630	**12000**
	3/10/1999	98.77	NG	NG	NG	NG	--	--	**60000**	**1200**	**2000**	650	**10000**
	6/22/1999	98.77	NG	NG	NG	NG	--	--	**56000**	**590**	**1700**	370	**10000**
	9/28/1999	98.77	NG	NG	NG	NG	--	--	**34000**	**420**	190	280	**10000**
	1/4/2000	98.77	NG	NG	NG	NG	--	--	**24000**	**590**	**1600**	340	**9600**
	3/30/2000	98.77	NG	NG	NG	NG	--	--	**31000**	**170**	**1300**	190	**7900**
	6/27/2000	98.77	NG	NG	NG	NG	--	--	**22000**	**92**	**1000**	120	**6100**
	9/25/2000	98.77	NG	NG	NG	NG	--	--	**26000**	**130**	**1100**	170	**6300**
	12/27/2000	98.77	NP	29.87	NP	68.90	--	--	**26000**	**73**	**910**	88	**5100**
	9/16/2001	98.77	NP	31.51	NP	67.26	--	--	**36000**	**54**	**1100**	35	**4800**
	12/4/2001	98.77	31.92	31.95	0.03	66.84	--	--	**43000**	**66**	**1300**	220	**6700**
	3/14/2002	98.77	NP	31.52	NP	67.25	--	--	**55000**	**80**	**1600**	190	**8700**
	6/9/2002	98.77	NP	30.47	NP	68.30	--	--	**1500**	<1.0	25	1.8	140
	12/18/2002	98.77	NP	31.55	NP	67.22	--	--	**22300**	**16.4**	306	10	**1740**
	6/3/2003	98.77	NP	31.51	NP	67.26	--	--	**28200**	**216**	**914**	70	**4620**
	10/10/2003	98.77	NP	31.73	NP	67.04	--	--	**19700**	**117**	407	19.4	**2330**
	4/26/2004	98.77	NP	31.22	NP	67.55	--	--	**25000**	**454**	595	22.6	**3600**
	10/28/2004	98.77	NP	31.38	NP	67.39	--	--	**20500**	**580**	**719**	15.4	**3050**
	4/27/2005	98.77	NP	31.67	NP	67.10	--	--	**16800**	**541**	594	7	**2270**
	11/22/2005	98.77	NP	31.70	NP	67.07	--	--	**29100**	**792**	595	7.95	**2290**
	4/25/2006	98.77	NP	30.98	NP	67.79	--	--	**27500**	**819**	554	<20.0	**2130**
	10/27/2006	98.77	NP	31.11	NP	67.66	--	--	**31200**	**879**	677	13.8	**2340**
	4/4/2007	98.77	NP	30.09	NP	68.68	--	--	**44300**	**772**	**867**	16.7	**5740**
	11/19/2007	98.77	NP	31.05	NP	67.72	--	--	**30200**	**748**	**966**	25.6	**3510**
	6/12/2008	98.77	NP	29.92	NP	68.85	--	--	**43400**	**251**	**733**	9.81	**3310**
	10/29/2008	98.77	NP	31.07	NP	67.70	--	--	**36100**	**336**	**842**	15.4	**2370**
	5/15/2009	98.77	NP	29.86	NP	68.91	--	--	**48400**	**373**	12	853	**3400**
	2/11/2010	98.77	NP	29.88	NP	68.89	--	--	**33000**	**279**	**705**	18.5	**2560**
	9/2/2010	98.77	NP	28.74	NP	70.03	**1500**	<380	**35500**	**785**	**1740**	980	**7220**
	9/19/2011	98.77	NP	28.42	NP	70.35	**950**	<380	**45700**	**191**	**1390**	26.8	**5280**
	2/9/2012	98.77	NP	29.97	NP	68.8	**1,500**	<410	**36,600**	**165**	**716**	6.9	**2,460**
	8/1/2012	98.77	NP	28.84	NP	69.93	**2,070**	<481	**28,300**	**294**	**712**	7.8	**2,200**
	3/12/2013	98.77	NP		NP	98.77	**--**	--	**26,000**	**227**	501	<10.0	**1,140**
	6/25/2013	98.77	NP		NP	98.77	**--**	--	**28200**	**247**	463	<10.0	**1020**

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-7	1/16/1992	98.42	NP	29.30	NP	69.12	--	--	**3500**	**610**	**1000**	**6900**	**6600**
	1/23/1992	98.42	NP	29.33	NP	69.09	--	--	--	--	--	--	--
	1/31/1992	98.42	NP	29.22	NP	69.20	--	--	--	--	--	--	--
	8/24/1993	98.42	29.66	29.76	0.10	68.74	--	--	--	--	--	--	--
	11/30/1993	98.42	30.3	30.34	0.04	68.11	--	--	--	--	--	--	--
	3/7/1994	98.42	30.96	31.23	0.27	67.39	--	--	--	--	--	--	--
	7/14/1994	98.42	30.71	30.85	0.14	67.68	--	--	--	--	--	--	--
	10/21/1994	98.42	30.98	31.18	0.20	67.39	--	--	--	--	--	--	--
	12/30/1994	98.42	26.08	31.25	5.17	71.05	--	--	--	--	--	--	--
	3/16/1995	98.42	31.5	31.98	0.48	66.80	--	--	--	--	--	--	--
	6/22/1995	98.42	29.24	30.86	1.62	68.78	--	--	--	--	--	--	--
	9/19/1995	98.42	29.34	29.82	0.48	68.96	--	--	--	--	--	--	--
	12/18/1995	98.42	29.35	29.50	0.15	69.03	--	--	--	--	--	--	--
	3/14/1996	98.42	NP	27.80	NP	70.62	--	--	--	--	--	--	--
	6/22/1996	98.42	27.76	27.81	0.05	70.65	--	--	--	--	--	--	--
	9/12/1996	98.42	28.58	28.59	0.01	69.84	--	--	--	--	--	--	--
	12/17/1996	98.42	28.19	28.22	0.03	70.22	--	--	--	--	--	--	--
	3/17/1998	98.42	NG	NG	NG	NG	--	--	**55300**	**290**	**1100**	**1200**	**7400**
	9/29/1998	98.42	NG	NG	NG	NG	--	--	**25000**	**61**	530	220	**3300**
	12/10/1998	98.42	NG	NG	NG	NG	--	--	**31000**	**81**	**740**	260	**4700**
	3/10/1999	98.42	NG	NG	NG	NG	--	--	**43000**	<50	**760**	270	**4600**
	6/22/1999	98.42	NG	NG	NG	NG	--	--	**32000**	<50	590	200	**3700**
	9/28/1999	98.42	NG	NG	NG	NG	--	--	**33000**	**110**	72	230	**4300**
	1/4/2000	98.42	NG	NG	NG	NG	--	--	**17000**	**240**	**750**	400	**4100**
	3/30/2000	98.42	NG	NG	NG	NG	--	--	**20000**	**10**	520	170	**3100**
	6/27/2000	98.42	NG	NG	NG	NG	--	--	**17000**	**9**	470	130	**2700**
	9/25/2000	98.42	NG	NG	NG	NG	--	--	**13000**	**5.4**	330	110	**1900**
	12/27/2000	98.42	NP	29.07	NP	69.35	--	--	**16000**	**12**	360	120	**2100**
	9/16/2001	98.42	31.54	31.67	0.13	66.85	--	--	--	--	--	--	--
	12/4/2001	98.42	31.85	31.95	0.10	66.55	--	--	**32000**	**260**	**810**	120	**4600**
	3/14/2002	98.42	NP	31.01	NP	67.41	--	--	**31000**	**160**	**810**	140	**3800**
	6/9/2002	98.42	NP	30.42	NP	68.00	--	--	**28000**	**190**	**920**	170	**4800**
	12/18/2002	98.42	31.34	31.35	0.01	67.08	--	--	**31100**	**236**	**924**	102	**4770**
	6/3/2003	98.42	30.9	30.91	0.01	67.52	--	--	**26600**	**97.4**	**887**	44.2	**4890**
	10/10/2003	98.42	31.24	31.29	0.05	67.17	--	--	**40000**	**164**	**1350**	57.5	**7740**
	4/26/2004	98.42	NP	29.85	NP	68.57	--	--	**37900**	**207**	**1080**	76.9	**5850**
	10/28/2004	98.42	31.52	31.56	0.04	66.89	--	--	**17700**	**178**	644	38.2	**2710**
	4/27/2005	98.42	30.06	31.35	1.29	68.04	--	--	**88600**	**160**	**1460**	37.8	**7340**
	11/22/2005	98.42	30.76	30.77	0.01	67.66	--	--	**33400**	**194**	**1130**	25.8	**5360**
	4/25/2006	98.42	NP	29.60	NP	68.82	--	--	**35400**	**242**	**998**	36.4	**4930**
	10/27/2006	98.42	NP	29.95	NP	68.47	--	--	**27900**	**140**	**704**	40.8	**3830**
	4/4/2007	98.42	NP	28.88	NP	69.54	--	--	**3000**	**8**	116	<5.00	133
	11/19/2007	98.42	NP	29.42	NP	69.00	--	--	**23900**	**41.1**	**808**	31.4	**3340**
	6/12/2008	98.42	NP	28.70	NP	69.72	--	--	**1200**	0.52	17.9	0.54	4.2
	10/29/2008	98.42	NP	29.36	NP	69.06	--	--	**13300**	**7.52**	363	11.6	**1320**
	5/15/2009	98.42	NP	28.62	NP	69.80	--	--	**10200**	3.7	7.9	359	**1150**
	2/11/2010	98.42	NP	28.66	NP	69.76	--	--	**2860**	1.3	121	2.6	284
	9/2/2010	98.42	NP	27.62	NP	70.80	120	<380	**1130**	<1.0	38.8	<1.0	59.7
	9/19/2011	98.42	NP	27.29	NP	71.13	150	<380	**2780**	3.0	77.3	11.4	142
	2/9/2012	98.42	NP	28.72	NP	69.7	120	<380	**2,490**	1.1	86	2	165
	8/1/2012	98.42	NP	27.69	NP	70.73	343	<521	**4,930**	<1.0	110	2.7	364
	3/12/2013	98.42	NP	28.02	NP	70.4	--	--	564	<1.0	3.6	<1.0	<3.0
	6/25/2013	98.42	NP	27.81	NP	70.61	--	--	104	<1.0	1.8	<1.0	<3.0

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FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date						GROUND WATER ANALYTICAL DATA						
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-8	1/16/1992	98.8	NP	49.00	NP	49.80	--	--	--	--	--	--	--
	1/23/1992	98.8	NP	49.17	NP	49.63	--	--	--	--	--	--	--
	1/31/1992	98.8	NP	50.00	NP	48.80	--	--	--	--	--	--	--
	3/17/1998	98.8	NG	NG	NG	NG	--	--	**6000**	**120**	34	46	280
	9/29/1998	98.8	NG	NG	NG	NG	--	--	**1600**	**180**	41	89	170
	12/10/1998	98.8	NG	NG	NG	NG	--	--	**25000**	**2300**	500	**4500**	**2600**
	3/10/1999	98.8	NG	NG	NG	NG	--	--	**14000**	**1000**	420	**1500**	**1500**
	6/22/1999	98.8	NG	NG	NG	NG	--	--	**3700**	**66**	190	9	340
	9/28/1999	98.8	NG	NG	NG	NG	--	--	760	**55**	65	20	130
	1/4/2000	98.8	NG	NG	NG	NG	--	--	690	**49**	6	25	18
	6/27/2000	98.8	NG	NG	NG	NG	--	--	**1800**	**260**	84	87	300
	12/27/2000	98.8	NP	46.57	NP	52.23	--	--	360	**87**	<1	25	20
	9/16/2001	98.8	NP	48.87	NP	49.93	--	--	--	--	--	--	--
	12/4/2001	98.8	NP	49.09	NP	49.71	--	--	--	--	--	--	--
	3/14/2002	98.8	NP	47.87	NP	50.93	--	--	**4100**	**470**	89	140	360
	6/9/2002	98.8	NP	47.39	NP	51.41	--	--	**25000**	**3200**	**830**	**1700**	**2900**
	12/18/2002	98.8	NP	48.03	NP	50.77	--	--	**2530**	**389**	65.4	77.1	256
	6/3/2003	98.8	NP	48.03	NP	50.77	--	--	**3820**	**974**	120	72.2	286
	10/10/2003	98.8	NP	48.50	NP	50.30	--	--	**9190**	**1980**	314	622	**1490**
	4/26/2004	98.8	NP	41.01	NP	57.79	--	--	**15800**	**2340**	563	450	**2110**
	10/28/2004	98.8	NP	48.50	NP	50.30	--	--	**24500**	**5360**	**1350**	246	**3910**
	4/27/2005	98.8	NP	48.43	NP	50.37	--	--	**2250**	**310**	65.3	24.7	166
	11/22/2005	98.8	dry	dry	dry	dry	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/25/2006	98.8	NP	48.40	NP	50.40	--	--	**21700**	**3100**	**907**	44.4	**2130**
	10/27/2006	98.8	dry	dry	dry	dry	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/4/2007	98.8	NP	48.17	NP	50.63	--	--	**14300**	**1820**	**749**	29.7	261
	11/19/2007	98.8	NP	47.59	NP	51.21	--	--	227	**35.1**	3.42	1.32	5.34
	6/12/2008	98.8	NP	47.32	NP	51.48	--	--	**15100**	**1650**	648	191	**1140**
	10/29/2008	98.8	NP	47.16	NP	51.64	--	--	<50.0	<0.500	<0.500	<0.500	<3.00
	5/15/2009	98.8	NP	46.45	NP	52.35	--	--	139	**15.3**	<1.0	<1.0	5.8
	2/11/2010	98.8	NP	46.41	NP	52.39	--	--	**6690**	**1240**	621	141	607
	9/2/2010	98.8	NP	46.64	NP	52.16	**850**	<380	**14000**	**1490**	**1060**	325	**2520**
	9/19/2011	98.8	NP	47.00	NP	51.80	**1100**	**1200**	**23900**	**826**	**812**	44.2	**1880**
	2/9/2012	98.8	NP	47.3	NP	51.5	**1,200**	**1,400**	**13300**	**1203**	**768**	15.4	**1120**
	8/1/2012	98.8	NP	46.5	NP	52.3	**685**	<481	**6110**	**108**	6.6	120	264
	3/12/2013	98.8	NP	46.55	NP	52.25	**--**	**--**	<100	<1.0	<1.0	<1.0	<3.0
	6/11/2013	**ABANDONED**											

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
FACILITY NO. 2611255
19924 INTERNATIONAL BLVD
SEATAC, WASHINGTON

Well I.D.	Date	GROUND WATER ANALYTICAL DATA												
		TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	NW-DRO (C12-C24) (UG/L)	NW-ORO (C24-C40) (UG/L)	NW-GRO (C6-C12) (UG/L)	Benzene (UG/L)	Ethylbenzene (UG/L)	Toluene (UG/L)	Xylene (Total) (UG/L)
Applied Action Level: 2007 MTCA Method A							**500**	**500**	**800**	**5**	**700**	**1000**	**1000**
MW-9	9/2/2010	NSVD	NP	28.90	NP	NSVD	270	<380	**1760**	**190**	159	3.6	38.6
	9/19/2011	98.99	NP	28.60	NP	70.39	**780**	<380	**11100**	**134**	569	<10.0	553
	2/9/2012	98.99	NP	29.97	NP	69.02	**590**	<380	**4940**	**169**	237	2.2	70.9
	8/1/2012	98.99	NP	28.91	NP	70.08	**1640**	<481	**18100**	**169**	**818**	5	**1430**
	3/12/2013	98.99	NP	29.25	NP	69.74	**--**	--	**2210**	**30.7**	53	<1.0	26.9
	6/25/2013	98.99	NP	29.08	NP	69.91	**--**	--	**2810**	**57.8**	95	1.1	28.9
MW-10	9/2/2010	NSVD	NP	28.23	NP	NSVD	**1700**	<380	**43300**	**5.3**	**2100**	57.7	**9650**
	9/19/2011	98.51	NP	27.90	NP	70.61	**520**	<390	**7270**	1.5	131	2.6	477
	2/9/2012	98.51	NP	29.28	NP	69.23	**910**	<380	**46100**	**14.8**	**997**	21.9	**6120**
	8/1/2012	98.51	NP	28.28	NP	70.23	**672**	<521	**6830**	2.5	151	1.4	664
	3/12/2013	98.51	NP	28.63	NP	69.88	**--**	--	**41400**	<20.0	**1000**	<20.0	**4980**
	6/25/2013	98.51	NP	28.41	NP	70.1	**--**	--	**29900**	1	321	1.3	**1240**
MW-11	9/2/2010	NSVD	NP	27.12	NP	NSVD	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	98.11	NP	26.87	NP	71.24	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/10/2012	98.11	NP	28.28	NP	69.83	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	98.11	NP	27.26	NP	70.85	<154	<481	<50.0	1.3	1.7	<1.0	6.8
	3/12/2013	98.11	NP	27.64	NP	70.47	--	--	<100	<1.0	<1.0	<1.0	<3.0
	6/25/2013	98.11	NP	27.38	NP	70.73	--	--	<100	<1.0	<1.0	<1.0	<3.0
MW-12	9/2/2010	NSVD	NP	26.40	NP	NSVD	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	97.76	NP	26.42	NP	71.34	<77	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/10/2012	97.76	NP	27.83	NP	69.93	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	97.76	NP	26.83	NP	70.93	<174	<543	<50.0	<1.0	<1.0	<1.0	3.7
	3/12/2013	97.76	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/25/2013	97.76	NP	26.95	NP	70.81	--	--	--	--	--	--	--
MW-13	9/2/2010	NSVD	NP	26.68	NP	NSVD	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	9/19/2011	97.33	NP	26.37	NP	70.96	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	2/9/2012	97.33	NP	27.76	NP	69.57	<76	<380	<50.0	<1.0	<1.0	<1.0	<3.0
	8/1/2012	97.33	NP	26.74	NP	70.59	<174	<543	<50.0	<1.0	<1.0	<1.0	<3.0
	3/12/2013	97.33	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/25/2013	97.33	NP	26.85	NP	70.48	--	--	--	--	--	--	--
MW-14	8/16/2011	99.2	NP	28.31	NP	70.89	**540**	<380	**17900**	**172**	**731**	50.4	**2740**
	2/10/2012	99.2	NG	NG	NG	NG	**--**	--	**--**	**--**	**--**	--	**--**
	8/1/2012	99.2	NG	NG	NG	NG	**--**	--	**--**	**--**	**--**	--	**--**
	3/12/2013	99.2	NG	NG	NG	NG	**--**	--	**--**	**--**	**--**	--	**--**
	6/25/2013	99.2	NP	29.41	NP	69.79	**--**	--	<100	<1.0	2	<1.0	3.8
MW-15	8/16/2011	98.49	NP	26.70	NP	71.79	<80	<400	62.7	<1.0	<1.0	<1.0	<3.0
	2/10/2012	98.49	NG	NG	NG	NG	--	--	--	--	--	--	--
	8/1/2012	98.49	NG	NG	NG	NG	--	--	--	--	--	--	--
	3/12/2013	98.49	NG	NG	NG	NG	--	--	--	--	--	--	--
	6/25/2013	98.49	NP	28.16	NP	70.33	--	--	<100	<1.0	<1.0	<1.0	<3.0
MW-16	9/19/2011	98.35	NP	27.82	NP	70.53	**1000**	<380	**67900**	**1630**	**1780**	**4250**	**9320**
	2/9/2012	98.35	NP	29.37	NP	68.98	**550**	<390	**71300**	**917**	**1250**	**5760**	**6010**
	8/1/2012	98.35	NP	28.3	NP	70.05	**1880**	<481	**59900**	**811**	**1420**	**1950**	**6900**
	3/12/2013	98.35	NP	28.68	NP	69.67	**--**	--	**46900**	**622**	**1150**	**2000**	**4920**
	6/25/2013	98.35	NP	28.42	NP	69.93	**--**	--	**53400**	**621**	**1430**	**3050**	**6460**
MW-17	9/19/2011	99.39	NP	28.47	NP	70.92	**1200**	<390	**41300**	**176**	**1270**	67.1	**4830**
	2/9/2012	99.39	NP	30.03	NP	69.36	440	<380	**2460**	**12.2**	110	<1.0	4.7
	8/1/2012	99.39	NP	29	NP	70.39	**649**	<521	**4990**	**100**	395	12.5	92.5
	3/12/2013	99.39	NP	29.31	NP	70.08	**--**	--	**2840**	**36.3**	77.3	1.3	31.4
	6/25/2013	99.39	NP	29.13	NP	70.26	**--**	--	**896**	**6.2**	5.6	<1.0	<3.0
MW-18	6/25/2013	NSVD	NP	27.65	NP	NSVD	**--**	--	**3270**	<1.0	32.7	<1.0	239
MW-19	6/25/2013	NSVD	NP	28.22	NP	NSVD	**--**	--	**95600**	**1290**	**4040**	864	**2290**

Notes:

TOC - Top of Casing
ft - Feet
NP - LNAPL not present
LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
NG - Not Gauged
NSVD - Not surveyed
-- - No information available

Results in Bold exceed applicable action limits
< - Not detected at or above indicated laboratory reporting limit
UG/L - micrograms/liter
NW-GRO - Northwest Gasoline Range Organics using Ecology NWTPH-Gx
NW-DRO - Northwest Diesel Range Organics
NW-ORO - Northwest Oil Range Organics
NW-DRO and NW-ORO Analyzed using Ecology Method NWTPH-Dx with silica gel cleanup
B = benzene, T = toluene, E = ethylbenzene, X = xylenes; analyzed using EPA Method 8260
EPA - Environmental Protection Agency
MTCA = Model Toxics Control Act

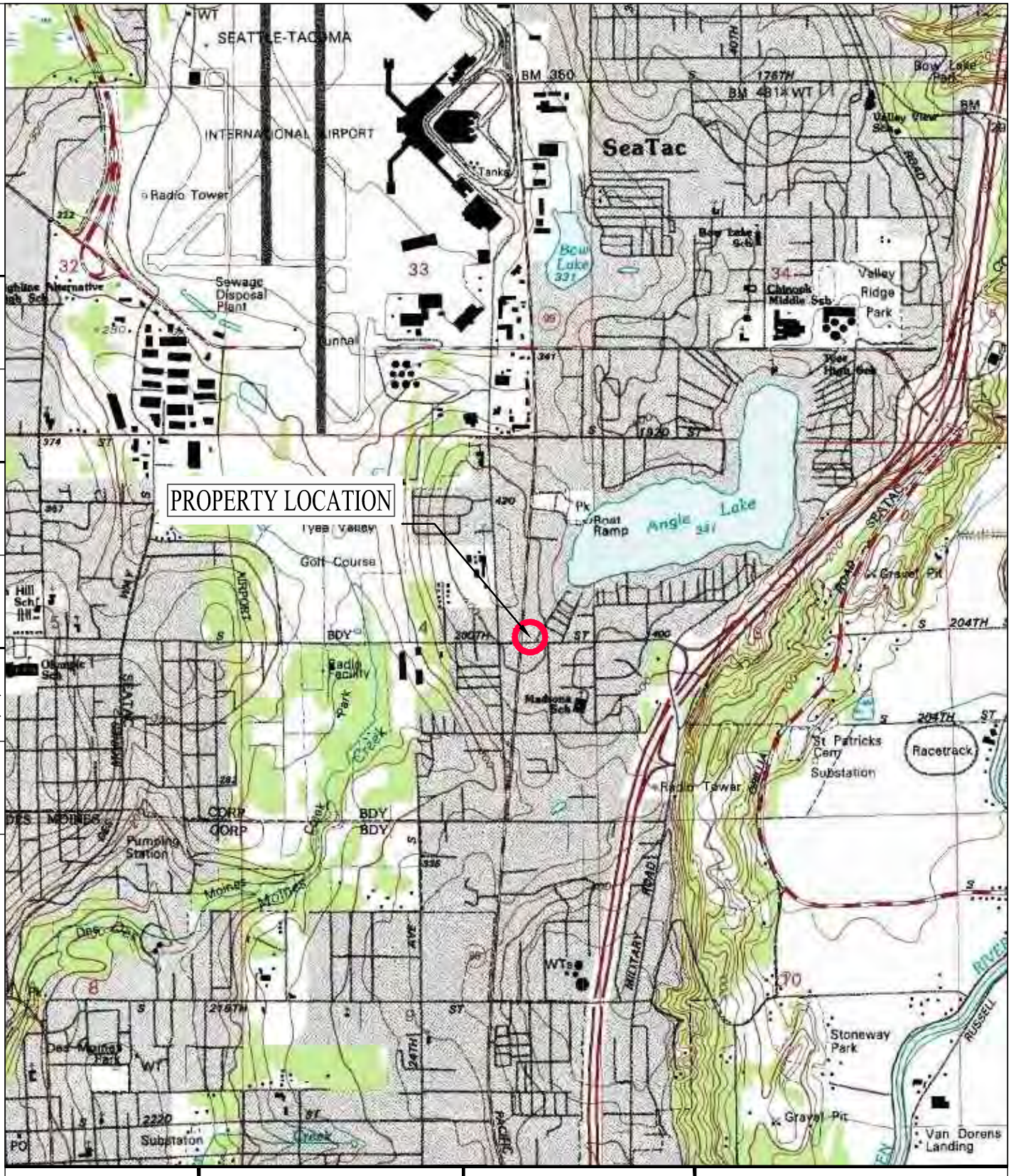
Figures

PROJECT NUMBER 142611255

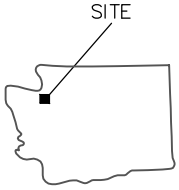
APPROVED BY

CHECKED BY

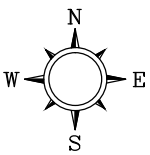
DRAWN BY ICD 02/11/2013



SCALE IN FEET
0 1000 2000



LATITUDE 47D 25M 22S NORTH
LONGITUDE 122D 17M 45S WEST



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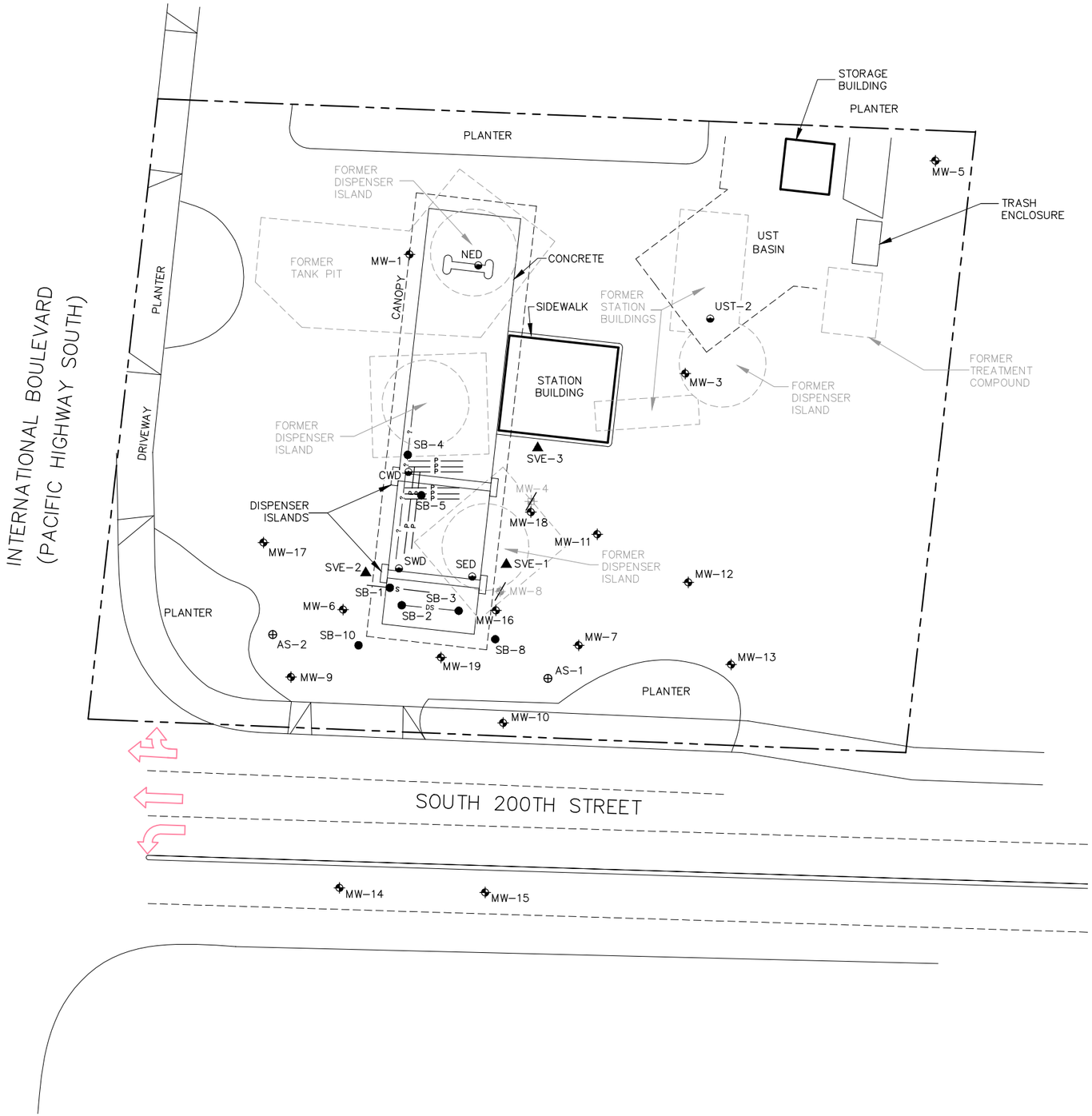
FACILITY No. 2611255

FIGURE 1

PROPERTY LOCATION MAP

19924 INTERNATIONAL BOULEVARD
SEATAC, WASHINGTON

PROJECT NUMBER	142611255
APPROVED BY	
CHECKED BY	
DRAWN BY	ICD 10/07/2013
FILENAME	142611255_1302_6.DWG



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LEGEND

- PROPERTY LINE
- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-8# ABANDONED MONITORING WELL
- MW-4# ABANDONED RECOVERY WELL LOCATION AND DESIGNATION
- SVE-1 SVE POINT
- NED SOIL SAMPLE LOCATION (EMCON)
- AS-1 AIR SPARGE WELL LOCATION AND DESIGNATION
- SB-1 SOIL BORING LOCATION

0 15 30
SCALE IN FEET

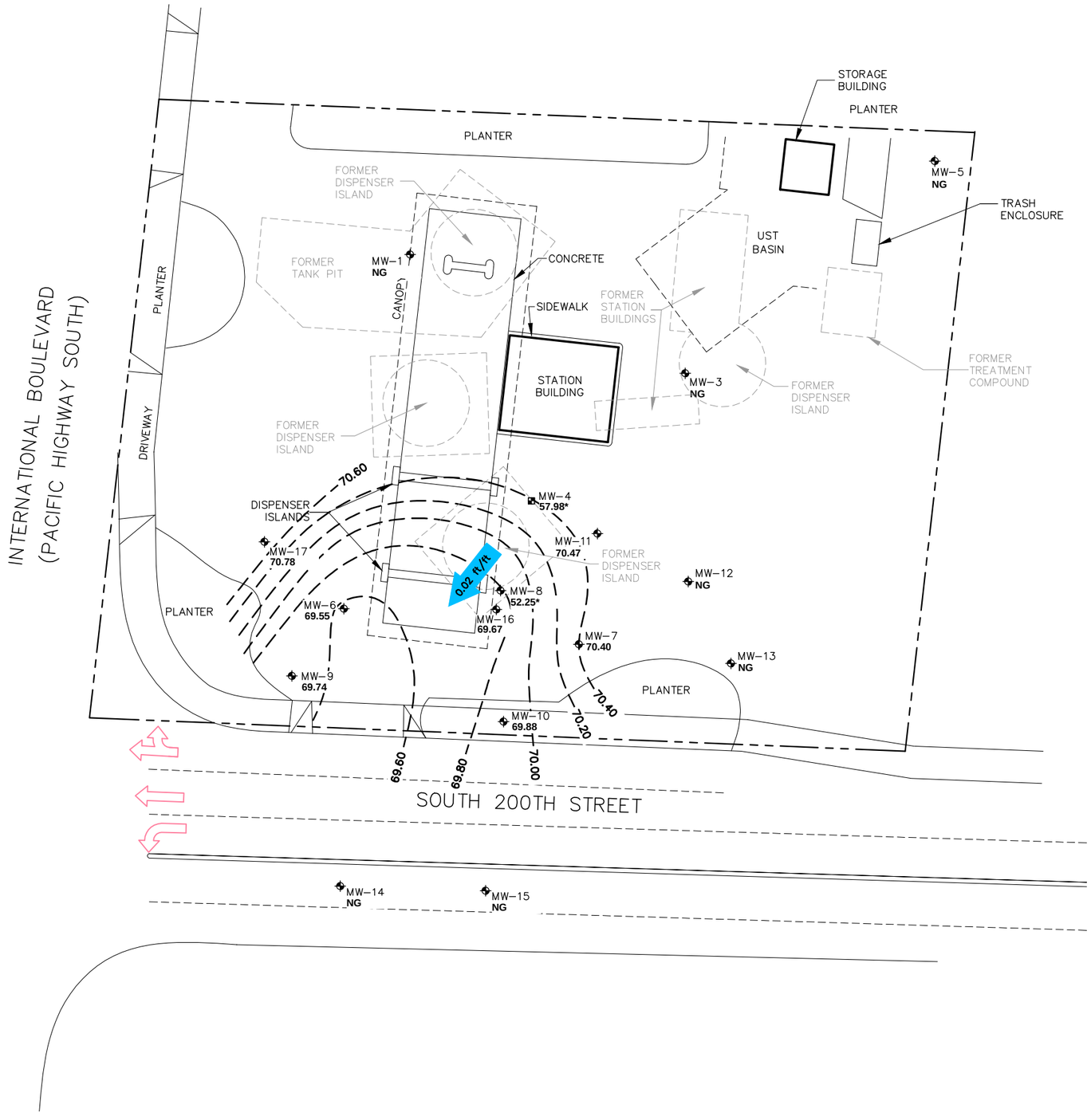
anteagroup

FIGURE 2

PROPERTY MAP

FACILITY No. 2611255
19924 INTERNATIONAL BOULEVARD
SEATAC, WASHINGTON

PROJECT NUMBER	142611255
APPROVED BY	
CHECKED BY	
DRAWN BY	ICD 10/08/2013
FILENAME	142611255_1302_6.DWG



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LEGEND

———	PROPERTY LINE
MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-4	RECOVERY WELL LOCATION AND DESIGNATION
70.47	GROUNDWATER ELEVATION (FEET)
70.00	GROUNDWATER ELEVATION CONTOUR LINE (FEET)
	CONTOUR INTERVAL=0.20 FEET
0.02 ft/ft	APPROXIMATE GROUNDWATER FLOW DIRECTION
*	NOT USED IN CONTOURING
NG	NOT GAUGED

0 15 30
SCALE IN FEET

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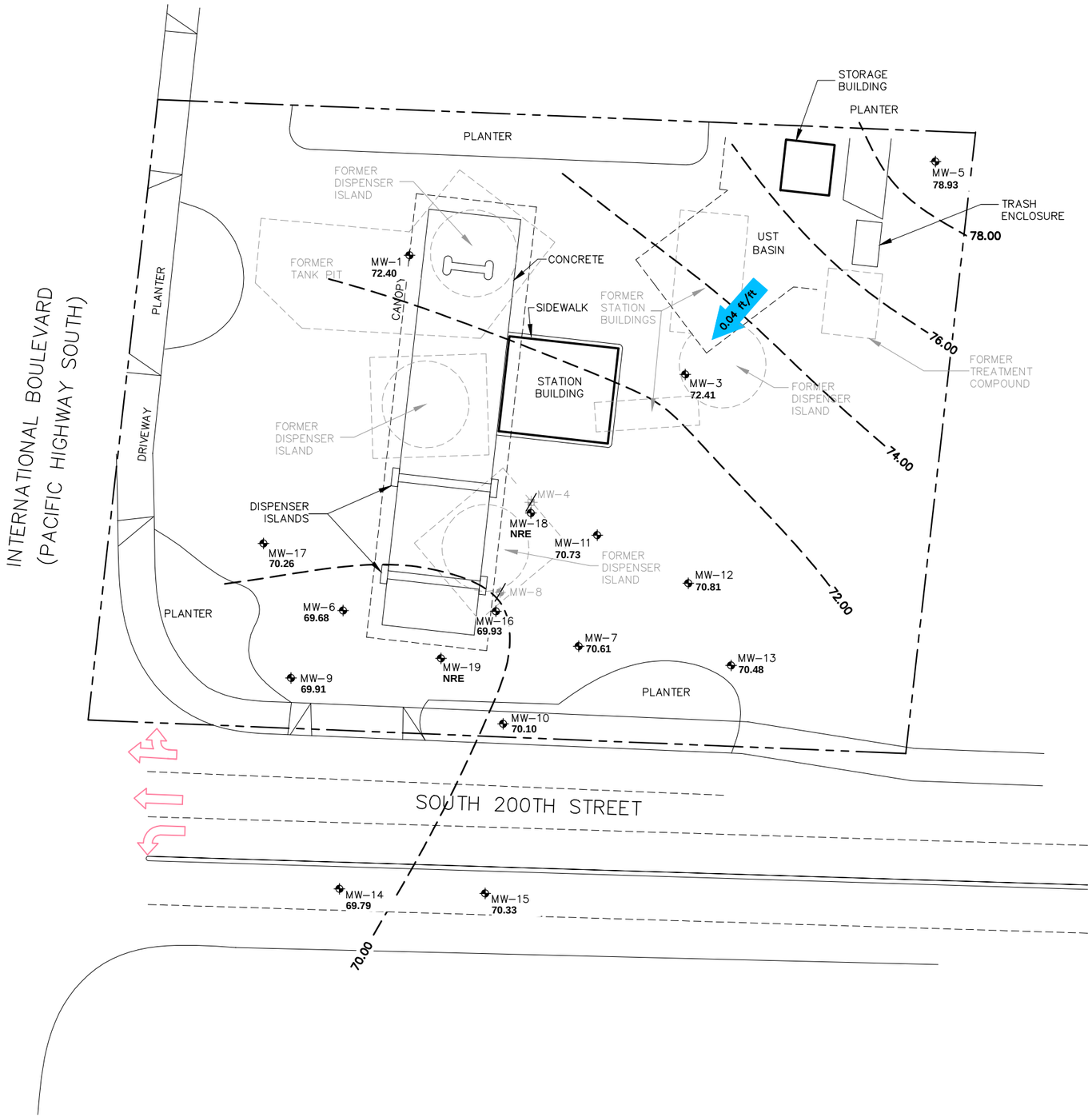
FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
03/21/2013

FACILITY No. 2611255
19924 INTERNATIONAL BOULEVARD
SEATAC, WASHINGTON

FILENAME	DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
142611255_1302_6.DWG	ICD 10/15/2013			142611255



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LEGEND

———	PROPERTY LINE
MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-8	ABANDONED MONITORING WELL
MW-4	ABANDONED RECOVERY WELL LOCATION AND DESIGNATION
78.93	GROUNDWATER ELEVATION (FEET)
76.00	GROUNDWATER ELEVATION CONTOUR LINE (FEET)
	CONTOUR INTERVAL=2.00 FEET
0.04 ft/ft	APPROXIMATE GROUNDWATER FLOW DIRECTION
NRE	NO REFERENCE ELEVATION

0 15 30
SCALE IN FEET

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FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP
06/25/2013

FACILITY No. 2611255
19924 INTERNATIONAL BOULEVARD
SEATAC, WASHINGTON

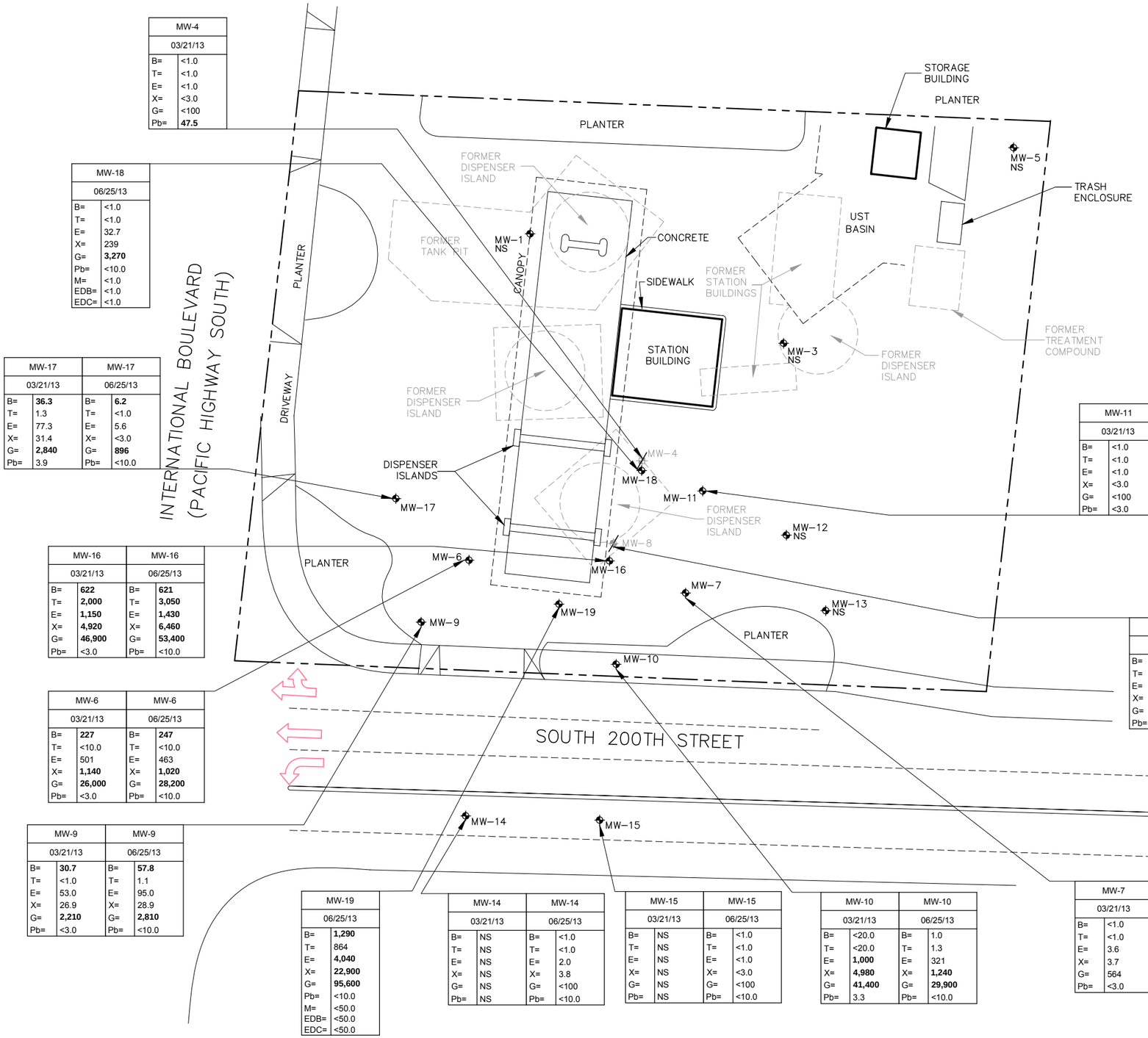
PROJECT NUMBER 142611255

APPROVED BY

CHECKED BY

DRAWN BY ICD 10/08/2013

FILENAME 1426111255_1302_6.DWG



MW-4	
03/21/13	
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0
G=	<100
Pb=	**47.5**

MW-18	
06/25/13	
B=	<1.0
T=	<1.0
E=	32.7
X=	239
G=	**3,270**
Pb=	<10.0
M=	<1.0
EDB=	<1.0
EDC=	<1.0

MW-17		MW-17	
03/21/13		06/25/13	
B=	**36.3**	B=	**6.2**
T=	1.3	T=	<1.0
E=	77.3	E=	5.6
X=	31.4	X=	<3.0
G=	**2,840**	G=	**896**
Pb=	3.9	Pb=	<10.0

MW-11		MW-11	
03/21/13		06/25/13	
B=	<1.0	B=	<1.0
T=	<1.0	T=	<1.0
E=	<1.0	E=	<1.0
X=	<3.0	X=	<3.0
G=	<100	G=	<100
Pb=	<3.0	Pb=	<10.0

MW-16		MW-16	
03/21/13		06/25/13	
B=	**622**	B=	**621**
T=	**2,000**	T=	**3,050**
E=	**1,150**	E=	**1,430**
X=	**4,920**	X=	**6,460**
G=	**46,900**	G=	**53,400**
Pb=	<3.0	Pb=	<10.0

MW-8	
03/21/13	
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0
G=	<100
Pb=	<3.0

MW-6		MW-6	
03/21/13		06/25/13	
B=	**227**	B=	**247**
T=	<10.0	T=	<10.0
E=	501	E=	463
X=	**1,140**	X=	**1,020**
G=	**26,000**	G=	**28,200**
Pb=	<3.0	Pb=	<10.0

MW-9		MW-9	
03/21/13		06/25/13	
B=	**30.7**	B=	**57.8**
T=	<1.0	T=	1.1
E=	53.0	E=	95.0
X=	26.9	X=	28.9
G=	**2,210**	G=	**2,810**
Pb=	<3.0	Pb=	<10.0

MW-19	
06/25/13	
B=	**1,290**
T=	864
E=	**4,040**
X=	**22,900**
G=	**95,600**
Pb=	<10.0
M=	<50.0
EDB=	<50.0
EDC=	<50.0

MW-14		MW-14	
03/21/13		06/25/13	
B=	NS	B=	<1.0
T=	NS	T=	<1.0
E=	NS	E=	2.0
X=	NS	X=	3.8
G=	NS	G=	<100
Pb=	NS	Pb=	<10.0

MW-15		MW-15	
03/21/13		06/25/13	
B=	NS	B=	<1.0
T=	NS	T=	<1.0
E=	NS	E=	<1.0
X=	NS	X=	<3.0
G=	NS	G=	<100
Pb=	NS	Pb=	<10.0

MW-10		MW-10	
03/21/13		06/25/13	
B=	<20.0	B=	1.0
T=	<20.0	T=	1.3
E=	**1,000**	E=	321
X=	**4,980**	X=	**1,240**
G=	**41,400**	G=	**29,900**
Pb=	3.3	Pb=	<10.0

MW-7		MW-7	
03/21/13		06/25/13	
B=	<1.0	B=	<1.0
T=	<1.0	T=	<1.0
E=	3.6	E=	1.8
X=	3.7	X=	<3.0
G=	564	G=	104
Pb=	<3.0	Pb=	<10.0

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LEGEND

———	PROPERTY LINE
MW-1 ⊕	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-8 ⊕	ABANDONED MONITORING WELL
MW-4 ⊕	ABANDONED RECOVERY WELL LOCATION AND DESIGNATION
B=	BENZENE (µg/L)
T=	TOLUENE (µg/L)
E=	ETHYLBENZENE (µg/L)
X=	TOTAL XYLENES (µg/L)
G=	TPH–g – TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (µg/L)
Pb=	TOTAL LEAD (µg/L)
M=	MTBE – METHYL TERT–BUTYL ETHER (µg/L)
EDB=	1,2–DIBROMOETHANE (µg/L)
EDC=	1,2–DICHLOROETHANE (µg/L)
µg/L	MICROGRAMS PER LITER
<	NOT DETECTED ABOVE LIMIT NOTED
NS	NOT SAMPLED

BOLD VALUES INDICATE EXCEEDANCE OF MTCA METHOD A CLEANUP LEVELS

0 15 30

SCALE IN FEET

anteagroup

FIGURE 5

GROUNDWATER ANALYTICAL RESULTS MAP
03/21/2013 AND 06/25/2013

FACILITY No. 2611255
19924 INTERNATIONAL BOULEVARD
SEATAC, WASHINGTON

Appendix A

PACE Analytical Lab Reports

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

April 04, 2013

Bryan Taylor
BP_Antea USA
4006 148 Ave NE
Redmond, WA 98052

RE: Project: 2611255
Pace Project No.: 10223295

Dear Bryan Taylor:
Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lori Castille

lori.castille@pacelabs.com
Project Manager

Enclosures

cc: Megan Richard, Antea USA
Dan Rowlands, Antea USA
Hitomi Somics, Antea USA

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 2611255
Pace Project No.: 10223295

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 2611255
Pace Project No.: 10223295

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10223295001	**MW-4**	Water	03/21/13 09:30	03/22/13 09:40
10223295002	**MW-6**	Water	03/21/13 11:55	03/22/13 09:40
10223295003	**MW-7**	Water	03/21/13 10:35	03/22/13 09:40
10223295004	**MW-8**	Water	03/21/13 10:50	03/22/13 09:40
10223295005	**MW-9**	Water	03/21/13 11:40	03/22/13 09:40
10223295006	**MW-10**	Water	03/21/13 11:20	03/22/13 09:40
10223295007	**MW-11**	Water	03/21/13 09:50	03/22/13 09:40
10223295008	**MW-16**	Water	03/21/13 11:05	03/22/13 09:40
10223295009	**MW-17**	Water	03/21/13 12:10	03/22/13 09:40
10223295010	**Trip Blanks**	Water	03/21/13 06:00	03/22/13 09:40

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 2611255
Pace Project No.: 10223295

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10223295001	**MW-4**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295002	**MW-6**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295003	**MW-7**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295004	**MW-8**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295005	**MW-9**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295006	**MW-10**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295007	**MW-11**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295008	**MW-16**	NWTPH-Gx/8021	MJH	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295009	**MW-17**	NWTPH-Gx/8021	MJH	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10223295010	**Trip Blanks**	NWTPH-Gx/8021	MJH	2	PASI-M
		EPA 8260	EB2	7	PASI-M

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10223295

Sample: MW-4 **Lab ID: 10223295001** Collected: 03/21/13 09:30 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		03/24/13 23:25		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%	75-125	1		03/24/13 23:25	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**47.5**	ug/L	3.0	1	03/25/13 13:40	03/26/13 19:49	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		03/26/13 22:44	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		03/26/13 22:44	100-41-4	
Toluene	ND	ug/L	1.0	1		03/26/13 22:44	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		03/26/13 22:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	75-125	1		03/26/13 22:44	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		03/26/13 22:44	2037-26-5	
4-Bromofluorobenzene (S)	107	%	75-125	1		03/26/13 22:44	460-00-4	

Sample: MW-6 **Lab ID: 10223295002** Collected: 03/21/13 11:55 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**26000**	ug/L	2000	20		03/25/13 02:59		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%	75-125	20		03/25/13 02:59	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 19:55	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**227**	ug/L	10.0	10		03/27/13 02:22	71-43-2	
Ethylbenzene	**501**	ug/L	10.0	10		03/27/13 02:22	100-41-4	
Toluene	ND	ug/L	10.0	10		03/27/13 02:22	108-88-3	
Xylene (Total)	**1140**	ug/L	30.0	10		03/27/13 02:22	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	75-125	10		03/27/13 02:22	17060-07-0	
Toluene-d8 (S)	98	%	75-125	10		03/27/13 02:22	2037-26-5	
4-Bromofluorobenzene (S)	108	%	75-125	10		03/27/13 02:22	460-00-4	

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10223295

Sample: MW-7 **Lab ID: 10223295003** Collected: 03/21/13 10:35 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**564**	ug/L	100	1		03/27/13 17:37		
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%	75-125	1		03/27/13 17:37	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:00	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		03/26/13 23:00	71-43-2	
Ethylbenzene	**3.6**	ug/L	1.0	1		03/26/13 23:00	100-41-4	
Toluene	ND	ug/L	1.0	1		03/26/13 23:00	108-88-3	
Xylene (Total)	**3.7**	ug/L	3.0	1		03/26/13 23:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	75-125	1		03/26/13 23:00	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		03/26/13 23:00	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	1		03/26/13 23:00	460-00-4	

Sample: MW-8 **Lab ID: 10223295004** Collected: 03/21/13 10:50 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		03/27/13 21:56		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	1		03/27/13 21:56	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:04	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		03/26/13 23:46	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		03/26/13 23:46	100-41-4	
Toluene	ND	ug/L	1.0	1		03/26/13 23:46	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		03/26/13 23:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	75-125	1		03/26/13 23:46	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		03/26/13 23:46	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125	1		03/26/13 23:46	460-00-4	

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10223295

Sample: MW-9 **Lab ID: 10223295005** Collected: 03/21/13 11:40 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**2210**	ug/L	100	1		03/27/13 22:16		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%	75-125	1		03/27/13 22:16	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:09	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**30.7**	ug/L	1.0	1		03/28/13 16:06	71-43-2	
Ethylbenzene	**53.0**	ug/L	1.0	1		03/28/13 16:06	100-41-4	
Toluene	ND	ug/L	1.0	1		03/28/13 16:06	108-88-3	
Xylene (Total)	**26.9**	ug/L	3.0	1		03/28/13 16:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	1		03/28/13 16:06	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		03/28/13 16:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		03/28/13 16:06	460-00-4	

Sample: MW-10 **Lab ID: 10223295006** Collected: 03/21/13 11:20 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**41400**	ug/L	1000	10		03/27/13 23:14		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%	75-125	10		03/27/13 23:14	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**3.3**	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:13	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	20.0	20		03/28/13 17:40	71-43-2	
Ethylbenzene	**1000**	ug/L	20.0	20		03/28/13 17:40	100-41-4	
Toluene	ND	ug/L	20.0	20		03/28/13 17:40	108-88-3	
Xylene (Total)	**4980**	ug/L	60.0	20		03/28/13 17:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	20		03/28/13 17:40	17060-07-0	
Toluene-d8 (S)	100	%	75-125	20		03/28/13 17:40	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	20		03/28/13 17:40	460-00-4	

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10223295

Sample: MW-11 **Lab ID: 10223295007** Collected: 03/21/13 09:50 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		03/27/13 22:35		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	1		03/27/13 22:35	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:26	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		03/26/13 23:31	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		03/26/13 23:31	100-41-4	
Toluene	ND	ug/L	1.0	1		03/26/13 23:31	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		03/26/13 23:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	75-125	1		03/26/13 23:31	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		03/26/13 23:31	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	1		03/26/13 23:31	460-00-4	

Sample: MW-16 **Lab ID: 10223295008** Collected: 03/21/13 11:05 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**46900**	ug/L	5000	50		03/29/13 22:29		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%	75-125	50		03/29/13 22:29	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:31	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**622**	ug/L	25.0	25		03/27/13 02:38	71-43-2	
Ethylbenzene	**1150**	ug/L	25.0	25		03/27/13 02:38	100-41-4	
Toluene	**2000**	ug/L	25.0	25		03/27/13 02:38	108-88-3	
Xylene (Total)	**4920**	ug/L	75.0	25		03/27/13 02:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	75-125	25		03/27/13 02:38	17060-07-0	
Toluene-d8 (S)	100	%	75-125	25		03/27/13 02:38	2037-26-5	
4-Bromofluorobenzene (S)	105	%	75-125	25		03/27/13 02:38	460-00-4	

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10223295

Sample: MW-17 **Lab ID: 10223295009** Collected: 03/21/13 12:10 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**2840**	ug/L	500	5		03/29/13 16:17		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	5		03/29/13 16:17	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**3.9**	ug/L	3.0	1	03/25/13 13:40	03/26/13 20:35	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**36.3**	ug/L	1.0	1		03/28/13 17:24	71-43-2	
Ethylbenzene	**77.3**	ug/L	1.0	1		03/28/13 17:24	100-41-4	
Toluene	**1.3**	ug/L	1.0	1		03/28/13 17:24	108-88-3	
Xylene (Total)	**31.4**	ug/L	3.0	1		03/28/13 17:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	1		03/28/13 17:24	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		03/28/13 17:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		03/28/13 17:24	460-00-4	

Sample: Trip Blanks **Lab ID: 10223295010** Collected: 03/21/13 06:00 Received: 03/22/13 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx/8021BGx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		03/29/13 15:57		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	1		03/29/13 15:57	98-08-8	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		03/26/13 22:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		03/26/13 22:13	100-41-4	
Toluene	ND	ug/L	1.0	1		03/26/13 22:13	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		03/26/13 22:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	75-125	1		03/26/13 22:13	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		03/26/13 22:13	2037-26-5	
4-Bromofluorobenzene (S)	105	%	75-125	1		03/26/13 22:13	460-00-4	

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: GCV/10502 Analysis Method: NWTPH-Gx/8021
QC Batch Method: NWTPH-Gx/8021 Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10223295001, 10223295002

METHOD BLANK: 1396976 Matrix: Water
Associated Lab Samples: 10223295001, 10223295002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/24/13 21:27	
a,a,a-Trifluorotoluene (S)	%	96	75-125	03/24/13 21:27	

LABORATORY CONTROL SAMPLE & LCSD: 1396977 1396978

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1090	1010	109	101	75-126	7	20	
a,a,a-Trifluorotoluene (S)	%				95	95	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396979 1396980

Parameter	Units	10223269003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1010	1020	94	94	75-137	.7	30	
a,a,a-Trifluorotoluene (S)	%						102	102	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: GCV/10516 Analysis Method: NWTPH-Gx/8021
QC Batch Method: NWTPH-Gx/8021 Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10223295003, 10223295004, 10223295005, 10223295006, 10223295007

METHOD BLANK: 1398544 Matrix: Water
Associated Lab Samples: 10223295003, 10223295004, 10223295005, 10223295006, 10223295007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/27/13 14:22	
a,a,a-Trifluorotoluene (S)	%	97	75-125	03/27/13 14:22	

LABORATORY CONTROL SAMPLE & LCSD: 1398545 1398546

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	909	899	91	90	75-126	1	20	
a,a,a-Trifluorotoluene (S)	%				96	95	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398547 1398548

Parameter	Units	10223242006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1030	1010	103	101	75-137	2	30	
a,a,a-Trifluorotoluene (S)	%						95	96	75-125			

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: GCV/10520 Analysis Method: NWTPH-Gx/8021
QC Batch Method: NWTPH-Gx/8021 Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10223295008, 10223295009, 10223295010

METHOD BLANK: 1399019 Matrix: Water
Associated Lab Samples: 10223295008, 10223295009, 10223295010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/29/13 15:38	
a,a,a-Trifluorotoluene (S)	%	97	75-125	03/29/13 15:38	

LABORATORY CONTROL SAMPLE & LCSD: 1399020 1399021

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	979	903	98	90	75-126	8	20	
a,a,a-Trifluorotoluene (S)	%				97	95	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400991 1400992

Parameter	Units	10223345009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	5000	5000	8340	8070	166	160	75-137	3	30	M1
a,a,a-Trifluorotoluene (S)	%						94	99	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: MPRP/38168 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10223295001, 10223295002, 10223295003, 10223295004, 10223295005, 10223295006, 10223295007, 10223295008, 10223295009

METHOD BLANK: 1397217 Matrix: Water
Associated Lab Samples: 10223295001, 10223295002, 10223295003, 10223295004, 10223295005, 10223295006, 10223295007, 10223295008, 10223295009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	3.0	03/26/13 18:48	

LABORATORY CONTROL SAMPLE: 1397218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	961	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397219 1397220

Parameter	Units	10223291001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	975	967	97	97	75-125	.8	20	

MATRIX SPIKE SAMPLE: 1397221

Parameter	Units	10223350007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	89.9	1000	1070	98	75-125	

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: MSV/23184 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 10223295001, 10223295002, 10223295003, 10223295004, 10223295007, 10223295008, 10223295010

METHOD BLANK: 1397669 Matrix: Water
Associated Lab Samples: 10223295001, 10223295002, 10223295003, 10223295004, 10223295007, 10223295008, 10223295010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	03/26/13 21:42	
Ethylbenzene	ug/L	ND	1.0	03/26/13 21:42	
Toluene	ug/L	ND	1.0	03/26/13 21:42	
Xylene (Total)	ug/L	ND	3.0	03/26/13 21:42	
1,2-Dichloroethane-d4 (S)	%	114	75-125	03/26/13 21:42	
4-Bromofluorobenzene (S)	%	104	75-125	03/26/13 21:42	
Toluene-d8 (S)	%	101	75-125	03/26/13 21:42	

LABORATORY CONTROL SAMPLE: 1397670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.8	106	75-125	
Ethylbenzene	ug/L	50	48.4	97	75-125	
Toluene	ug/L	50	47.1	94	75-125	
Xylene (Total)	ug/L	150	141	94	75-125	
1,2-Dichloroethane-d4 (S)	%			116	75-125	
4-Bromofluorobenzene (S)	%			113	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399406 1399407

Parameter	Units	10223290048 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	500	500	493	530	99	106	70-135	7	30	
Ethylbenzene	ug/L	1140	500	500	1490	1550	70	81	75-125	4	30	M1
Toluene	ug/L	ND	500	500	455	469	91	94	75-125	3	30	
Xylene (Total)	ug/L	1920	1500	1500	3050	3180	75	84	75-125	4	30	ES
1,2-Dichloroethane-d4 (S)	%						118	117	75-125			
4-Bromofluorobenzene (S)	%						117	115	75-125			
Toluene-d8 (S)	%						102	101	75-125			

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10223295

QC Batch: MSV/23213 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 10223295005, 10223295006, 10223295009

METHOD BLANK: 1399797 Matrix: Water
Associated Lab Samples: 10223295005, 10223295006, 10223295009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	03/28/13 15:44	
Ethylbenzene	ug/L	ND	1.0	03/28/13 15:44	
Toluene	ug/L	ND	1.0	03/28/13 15:44	
Xylene (Total)	ug/L	ND	3.0	03/28/13 15:44	
1,2-Dichloroethane-d4 (S)	%	99	75-125	03/28/13 15:44	
4-Bromofluorobenzene (S)	%	100	75-125	03/28/13 15:44	
Toluene-d8 (S)	%	99	75-125	03/28/13 15:44	

LABORATORY CONTROL SAMPLE: 1399798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	56.5	113	75-125	
Ethylbenzene	ug/L	50	53.9	108	75-125	
Toluene	ug/L	50	56.2	112	75-125	
Xylene (Total)	ug/L	150	164	109	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399799 1399800

Parameter	Units	10223344002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	466	250	250	760	709	117	97	70-135	7	30	
Ethylbenzene	ug/L	114	250	250	392	361	111	99	75-125	8	30	
Toluene	ug/L	13.7	250	250	302	277	115	105	75-125	9	30	
Xylene (Total)	ug/L	271	750	750	1110	1020	113	100	75-125	9	30	
1,2-Dichloroethane-d4 (S)	%						102	102	75-125			
4-Bromofluorobenzene (S)	%						102	104	75-125			
Toluene-d8 (S)	%						101	100	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2611255
Pace Project No.: 10223295

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

ES	The reported result is estimated because one or more of the constituent results are qualified as such.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2611255
Pace Project No.: 10223295

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10223295001	**MW-4**	NWTPH-Gx/8021	GCV/10502		
10223295002	**MW-6**	NWTPH-Gx/8021	GCV/10502		
10223295003	**MW-7**	NWTPH-Gx/8021	GCV/10516		
10223295004	**MW-8**	NWTPH-Gx/8021	GCV/10516		
10223295005	**MW-9**	NWTPH-Gx/8021	GCV/10516		
10223295006	**MW-10**	NWTPH-Gx/8021	GCV/10516		
10223295007	**MW-11**	NWTPH-Gx/8021	GCV/10516		
10223295008	**MW-16**	NWTPH-Gx/8021	GCV/10520		
10223295009	**MW-17**	NWTPH-Gx/8021	GCV/10520		
10223295010	**Trip Blanks**	NWTPH-Gx/8021	GCV/10520		
10223295001	**MW-4**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295002	**MW-6**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295003	**MW-7**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295004	**MW-8**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295005	**MW-9**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295006	**MW-10**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295007	**MW-11**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295008	**MW-16**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295009	**MW-17**	EPA 3010	MPRP/38168	EPA 6010	ICP/15930
10223295001	**MW-4**	EPA 8260	MSV/23184		
10223295002	**MW-6**	EPA 8260	MSV/23184		
10223295003	**MW-7**	EPA 8260	MSV/23184		
10223295004	**MW-8**	EPA 8260	MSV/23184		
10223295005	**MW-9**	EPA 8260	MSV/23213		
10223295006	**MW-10**	EPA 8260	MSV/23213		
10223295007	**MW-11**	EPA 8260	MSV/23184		
10223295008	**MW-16**	EPA 8260	MSV/23184		
10223295009	**MW-17**	EPA 8260	MSV/23213		
10223295010	**Trip Blanks**	EPA 8260	MSV/23184		

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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10223295

10223295

Page: of 1532643

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: ANTEA GROUP	Report To: Bryan Taylor	Attention:
Address: 4006 148th Ave NE Redmond, WA 98052	Copy To:	Company Name:
Email To: bryan.taylor@anteagroup.com	Purchase Order No.:	Address:
Phone: 425-260-9321 Fax:	Project Name: 26011255	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 1426011255	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED GRAB/COMPOSITE START DATE	COLLECTED GRAB/COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TPH-G	BTEX	TOTAL LEAD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	mw-4	WW	G	3/21	0930				7			X	X						X	X	X		001
2	mw-6	WW	G	3/21	1155				7			X	X						X	X	X		002
3	mw-7	WW	G	3/21	1035				7			X	X						X	X	X		003
4	mw-8	WW	G	3/21	1050				7			X	X						X	X	X		004
5	mw-9	WW	G	3/21	1140				7			X	X						X	X	X		005
6	mw-10	WW	G	3/21	1120				7			X	X						X	X	X		006
7	mw-11	WW	G	3/21	0950				7			X	X						X	X	X		007
8	mw-16	WW	G	3/21	1105				7			X	X						X	X	X		008
9	mw-17	WW	G	3/21	1210				7			X	X						X	X	X		009
10	Trip blanks	WW	G	3/21	0600				4				X						X	X	X		010
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	T. Roberts / ANTEA	3/21/2013	1330	Jenny Gross / Pace	3/21/13	18:50	7.9	Y	N	Y
				Pace	3/22/13	0940	0.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Taylor Roberts

SIGNATURE of SAMPLER: Taylor Roberts DATE Signed (MM/DD/YY): 3/21/2013

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: F-MN-L-213-rev.06	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Antea WA

Project #: WO# : 10223295

10223295

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 5287 3746 4623

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermom. Used: ☑ 888A912167504 ☐ 80512447 ☐ 72337080 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.3 **Cooler Temp Corrected (°C):** 0.3 **Biological Tissue Frozen?** ☐ Yes ☐ No

Temp should be above freezing to 6°C **Correction Factor:** True **Date and Initials of Person Examining Contents:** 3/22/13 SH

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☑ Yes	☐ No	☐ N/A	Sample # MW 4,6,7,8,9,10,11,16,17 TB1
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑ Yes	☐ No		Initial when completed: SH Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☑ No	☐ N/A	14.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	15. 4 TBS
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): Not Pace MN				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 3/22/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

July 11, 2013

Bryan Taylor
BP_Antea USA
4006 148 Ave NE
Redmond, WA 98052

RE: Project: 2611255
Pace Project No.: 10233458

Dear Bryan Taylor:
Enclosed are the analytical results for sample(s) received by the laboratory on June 25, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lori Castille

lori.castille@pacelabs.com
Project Manager

Enclosures

cc: Megan Richard, Antea USA
Dan Rowlands, Antea USA
Hitomi Somics, Antea USA

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 2611255
Pace Project No.: 10233458

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 2611255
Pace Project No.: 10233458

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10233458001	**MW-10_20130625**	Water	06/25/13 06:30	06/25/13 08:40
10233458002	**MW-11_20130625**	Water	06/25/13 07:45	06/25/13 08:40
10233458003	**MW-14_20130625**	Water	06/25/13 06:00	06/25/13 08:40
10233458004	**MW-15_20130625**	Water	06/25/13 05:45	06/25/13 08:40
10233458005	**MW-16_20130625**	Water	06/25/13 08:15	06/25/13 08:40
10233458006	**MW-17_20130625**	Water	06/25/13 08:30	06/25/13 08:40
10233458007	**MW-18_20130625**	Water	06/25/13 07:15	06/25/13 08:40
10233458008	**MW-19_20130625**	Water	06/25/13 07:30	06/25/13 08:40
10233458009	**MW-6_20130625**	Water	06/25/13 08:00	06/25/13 08:40
10233458010	**MW-7_20130625**	Water	06/25/13 06:45	06/25/13 08:40
10233458011	**MW-9_20130625**	Water	06/25/13 07:00	06/25/13 08:40

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SAMPLE ANALYTE COUNT

Project: 2611255
Pace Project No.: 10233458

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10233458001	**MW-10_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2, KT1	7	PASI-M
10233458002	**MW-11_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10233458003	**MW-14_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10233458004	**MW-15_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10233458005	**MW-16_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10233458006	**MW-17_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	EB2	7	PASI-M
10233458007	**MW-18_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	MJH	10	PASI-M
10233458008	**MW-19_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	MJH	10	PASI-M
10233458009	**MW-6_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	MJH	7	PASI-M
10233458010	**MW-7_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	MJH	7	PASI-M
10233458011	**MW-9_20130625**	NWTPH-Gx/8021	KT1	2	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 8260	MJH	7	PASI-M

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-10_20130625 **Lab ID: 10233458001** Collected: 06/25/13 06:30 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**29900**	ug/L	1000	10		06/29/13 05:53		
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%	75-125	10		06/29/13 05:53	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:13	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**1.0**	ug/L	1.0	1		07/05/13 16:08	71-43-2	
Ethylbenzene	**321**	ug/L	20.0	20		07/08/13 18:04	100-41-4	
Toluene	**1.3**	ug/L	1.0	1		07/05/13 16:08	108-88-3	
Xylene (Total)	**1240**	ug/L	60.0	20		07/08/13 18:04	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	75-125	1		07/05/13 16:08	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		07/05/13 16:08	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125	1		07/05/13 16:08	460-00-4	

Sample: MW-11_20130625 **Lab ID: 10233458002** Collected: 06/25/13 07:45 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		07/03/13 00:27		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	1		07/03/13 00:27	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:18	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/05/13 17:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/05/13 17:26	100-41-4	
Toluene	ND	ug/L	1.0	1		07/05/13 17:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/05/13 17:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	75-125	1		07/05/13 17:26	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		07/05/13 17:26	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		07/05/13 17:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-14_20130625 **Lab ID: 10233458003** Collected: 06/25/13 06:00 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		07/03/13 00:47		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%	75-125	1		07/03/13 00:47	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:22	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/08/13 14:37	71-43-2	
Ethylbenzene	**2.0**	ug/L	1.0	1		07/08/13 14:37	100-41-4	
Toluene	ND	ug/L	1.0	1		07/08/13 14:37	108-88-3	
Xylene (Total)	**3.8**	ug/L	3.0	1		07/08/13 14:37	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	81	%	75-125	1		07/08/13 14:37	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		07/08/13 14:37	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		07/08/13 14:37	460-00-4	

Sample: MW-15_20130625 **Lab ID: 10233458004** Collected: 06/25/13 05:45 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	ND	ug/L	100	1		07/03/13 01:07		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%	75-125	1		07/03/13 01:07	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:27	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/05/13 16:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/05/13 16:39	100-41-4	
Toluene	ND	ug/L	1.0	1		07/05/13 16:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/05/13 16:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		07/05/13 16:39	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		07/05/13 16:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		07/05/13 16:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-16_20130625 **Lab ID: 10233458005** Collected: 06/25/13 08:15 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**53400**	ug/L	5000	50		07/04/13 20:23		
Surrogates								
a,a,a-Trifluorotoluene (S)	105	%	75-125	50		07/04/13 20:23	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:31	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**621**	ug/L	25.0	25		07/05/13 18:13	71-43-2	
Ethylbenzene	**1430**	ug/L	25.0	25		07/05/13 18:13	100-41-4	
Toluene	**3050**	ug/L	25.0	25		07/05/13 18:13	108-88-3	
Xylene (Total)	**6460**	ug/L	75.0	25		07/05/13 18:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	25		07/05/13 18:13	17060-07-0	
Toluene-d8 (S)	99	%	75-125	25		07/05/13 18:13	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	25		07/05/13 18:13	460-00-4	

Sample: MW-17_20130625 **Lab ID: 10233458006** Collected: 06/25/13 08:30 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**896**	ug/L	100	1		07/03/13 05:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%	75-125	1		07/03/13 05:28	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:44	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**6.2**	ug/L	1.0	1		07/05/13 16:55	71-43-2	
Ethylbenzene	**5.6**	ug/L	1.0	1		07/05/13 16:55	100-41-4	
Toluene	ND	ug/L	1.0	1		07/05/13 16:55	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/05/13 16:55	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		07/05/13 16:55	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		07/05/13 16:55	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		07/05/13 16:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-18_20130625 **Lab ID: 10233458007** Collected: 06/25/13 07:15 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**3270**	ug/L	100	1		07/03/13 05:08		
Surrogates								
a,a,a-Trifluorotoluene (S)	121	%	75-125	1		07/03/13 05:08	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:49	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/06/13 02:36	71-43-2	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/06/13 02:36	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/06/13 02:36	107-06-2	
Ethylbenzene	**32.7**	ug/L	1.0	1		07/06/13 02:36	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/06/13 02:36	1634-04-4	
Toluene	ND	ug/L	1.0	1		07/06/13 02:36	108-88-3	
Xylene (Total)	**239**	ug/L	3.0	1		07/06/13 02:36	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	1		07/06/13 02:36	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		07/06/13 02:36	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		07/06/13 02:36	460-00-4	

Sample: MW-19_20130625 **Lab ID: 10233458008** Collected: 06/25/13 07:30 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**95600**	ug/L	2000	20		07/03/13 06:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	103	%	75-125	20		07/03/13 06:28	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:53	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**1290**	ug/L	50.0	50		07/06/13 03:07	71-43-2	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	50		07/06/13 03:07	106-93-4	
1,2-Dichloroethane	ND	ug/L	50.0	50		07/06/13 03:07	107-06-2	
Ethylbenzene	**4040**	ug/L	50.0	50		07/06/13 03:07	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	50.0	50		07/06/13 03:07	1634-04-4	
Toluene	**864**	ug/L	50.0	50		07/06/13 03:07	108-88-3	
Xylene (Total)	**22900**	ug/L	150	50		07/06/13 03:07	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	75-125	50		07/06/13 03:07	17060-07-0	
Toluene-d8 (S)	100	%	75-125	50		07/06/13 03:07	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	50		07/06/13 03:07	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-6_20130625 **Lab ID: 10233458009** Collected: 06/25/13 08:00 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**28200**	ug/L	2500	25		07/04/13 20:03		
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%	75-125	25		07/04/13 20:03	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 21:58	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**247**	ug/L	10.0	10		07/06/13 02:51	71-43-2	
Ethylbenzene	**463**	ug/L	10.0	10		07/06/13 02:51	100-41-4	
Toluene	ND	ug/L	10.0	10		07/06/13 02:51	108-88-3	
Xylene (Total)	**1020**	ug/L	30.0	10		07/06/13 02:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	10		07/06/13 02:51	17060-07-0	
Toluene-d8 (S)	101	%	75-125	10		07/06/13 02:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	10		07/06/13 02:51	460-00-4	

Sample: MW-7_20130625 **Lab ID: 10233458010** Collected: 06/25/13 06:45 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**104**	ug/L	100	1		07/03/13 01:48		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%	75-125	1		07/03/13 01:48	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 22:02	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/06/13 01:49	71-43-2	
Ethylbenzene	**1.8**	ug/L	1.0	1		07/06/13 01:49	100-41-4	
Toluene	ND	ug/L	1.0	1		07/06/13 01:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/06/13 01:49	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		07/06/13 01:49	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		07/06/13 01:49	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		07/06/13 01:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2611255
Pace Project No.: 10233458

Sample: MW-9_20130625 **Lab ID: 10233458011** Collected: 06/25/13 07:00 Received: 06/25/13 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx/8021							
TPH as Gas	**2810**	ug/L	100	1		07/03/13 02:08		
Surrogates								
a,a,a-Trifluorotoluene (S)	116	%	75-125	1		07/03/13 02:08	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	06/27/13 17:04	06/28/13 22:07	7439-92-1	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**57.8**	ug/L	1.0	1		07/06/13 02:04	71-43-2	
Ethylbenzene	**95.0**	ug/L	1.0	1		07/06/13 02:04	100-41-4	
Toluene	**1.1**	ug/L	1.0	1		07/06/13 02:04	108-88-3	
Xylene (Total)	**28.9**	ug/L	3.0	1		07/06/13 02:04	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		07/06/13 02:04	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		07/06/13 02:04	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		07/06/13 02:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: GCV/10975
QC Batch Method: NWTPH-Gx/8021
Analysis Method: NWTPH-Gx/8021
Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10233458001

METHOD BLANK: 1467900 Matrix: Water
Associated Lab Samples: 10233458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	06/28/13 23:11	
a,a,a-Trifluorotoluene (S)	%	84	75-125	06/28/13 23:11	

LABORATORY CONTROL SAMPLE & LCSD: 1467901 1467902

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1010	993	101	99	75-126	2	20	
a,a,a-Trifluorotoluene (S)	%				90	90	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1467903 1467904

Parameter	Units	10233116005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	34100	25000	25000	64800	63500	123	118	75-137	2	30	
a,a,a-Trifluorotoluene (S)	%						90	96	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: GCV/10984 Analysis Method: NWTPH-Gx/8021
QC Batch Method: NWTPH-Gx/8021 Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10233458002, 10233458003, 10233458004, 10233458006, 10233458007, 10233458008, 10233458010, 10233458011

METHOD BLANK: 1470191 Matrix: Water
Associated Lab Samples: 10233458002, 10233458003, 10233458004, 10233458006, 10233458007, 10233458008, 10233458010, 10233458011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	07/02/13 23:47	
a,a,a-Trifluorotoluene (S)	%	95	75-125	07/02/13 23:47	

LABORATORY CONTROL SAMPLE & LCSD: 1470192 1470193

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	960	950	96	95	75-126	1	20	
a,a,a-Trifluorotoluene (S)	%				94	102	75-125			

MATRIX SPIKE SAMPLE: 1471303

Parameter	Units	10233458010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
TPH as Gas	ug/L	104	1000	1200	110	75-137	
a,a,a-Trifluorotoluene (S)	%				102	75-125	

SAMPLE DUPLICATE: 1471304

Parameter	Units	10233458011 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	2810	2870	2	30	
a,a,a-Trifluorotoluene (S)	%	116	116	.5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: GCV/10993 Analysis Method: NWTPH-Gx/8021
QC Batch Method: NWTPH-Gx/8021 Analysis Description: NWTPH-Gx/8021B Water
Associated Lab Samples: 10233458005, 10233458009

METHOD BLANK: 1471438 Matrix: Water
Associated Lab Samples: 10233458005, 10233458009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	07/04/13 19:03	
a,a,a-Trifluorotoluene (S)	%	103	75-125	07/04/13 19:03	

LABORATORY CONTROL SAMPLE & LCSD: 1471439 1471440

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	986	1010	99	101	75-126			
a,a,a-Trifluorotoluene (S)	%				94	88	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471441 1471442

Parameter	Units	10234073005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	983	1040	98	104	75-137	6	30	
a,a,a-Trifluorotoluene (S)	%						118	120	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: MPRP/40209 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10233458001, 10233458002, 10233458003, 10233458004, 10233458005, 10233458006, 10233458007, 10233458008, 10233458009, 10233458010, 10233458011

METHOD BLANK: 1465852 Matrix: Water
Associated Lab Samples: 10233458001, 10233458002, 10233458003, 10233458004, 10233458005, 10233458006, 10233458007, 10233458008, 10233458009, 10233458010, 10233458011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	06/28/13 20:16	

LABORATORY CONTROL SAMPLE: 1465853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	899	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465854 1465855

Parameter	Units	10233116001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	908	892	91	89	75-125	2	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: MSV/24183 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 10233458001, 10233458002, 10233458004, 10233458005, 10233458006

METHOD BLANK: 1472082 Matrix: Water
Associated Lab Samples: 10233458001, 10233458002, 10233458004, 10233458005, 10233458006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/05/13 12:29	
Ethylbenzene	ug/L	ND	1.0	07/05/13 12:29	
Toluene	ug/L	ND	1.0	07/05/13 12:29	
Xylene (Total)	ug/L	ND	3.0	07/05/13 12:29	
1,2-Dichloroethane-d4 (S)	%	101	75-125	07/05/13 12:29	
4-Bromofluorobenzene (S)	%	101	75-125	07/05/13 12:29	
Toluene-d8 (S)	%	101	75-125	07/05/13 12:29	

LABORATORY CONTROL SAMPLE: 1472083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.6	98	75-125	
Ethylbenzene	ug/L	20	19.6	98	75-125	
Toluene	ug/L	20	20.2	101	75-125	
Xylene (Total)	ug/L	60	60.7	101	75-125	
1,2-Dichloroethane-d4 (S)	%			103	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472361 1472362

Parameter	Units	10234376003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	100	100	107	98.4	107	98	70-135	8	30	
Ethylbenzene	ug/L	ND	100	100	109	102	109	102	75-125	7	30	
Toluene	ug/L	ND	100	100	111	104	111	104	75-125	7	30	
Xylene (Total)	ug/L	ND	300	300	334	314	111	105	75-125	6	30	
1,2-Dichloroethane-d4 (S)	%						104	101	75-125			
4-Bromofluorobenzene (S)	%						101	99	75-125			
Toluene-d8 (S)	%						102	102	75-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: MSV/24192 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 10233458007, 10233458008, 10233458009, 10233458010, 10233458011

METHOD BLANK: 1472396 Matrix: Water
Associated Lab Samples: 10233458007, 10233458008, 10233458009, 10233458010, 10233458011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/05/13 21:38	
1,2-Dichloroethane	ug/L	ND	1.0	07/05/13 21:38	
Benzene	ug/L	ND	1.0	07/05/13 21:38	
Ethylbenzene	ug/L	ND	1.0	07/05/13 21:38	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/05/13 21:38	
Toluene	ug/L	ND	1.0	07/05/13 21:38	
Xylene (Total)	ug/L	ND	3.0	07/05/13 21:38	
1,2-Dichloroethane-d4 (S)	%	98	75-125	07/05/13 21:38	
4-Bromofluorobenzene (S)	%	101	75-125	07/05/13 21:38	
Toluene-d8 (S)	%	99	75-125	07/05/13 21:38	

LABORATORY CONTROL SAMPLE: 1472397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	21.1	105	75-125	
1,2-Dichloroethane	ug/L	20	21.0	105	74-125	
Benzene	ug/L	20	19.5	98	75-125	
Ethylbenzene	ug/L	20	20.4	102	75-125	
Methyl-tert-butyl ether	ug/L	20	20.7	103	74-126	
Toluene	ug/L	20	20.8	104	75-125	
Xylene (Total)	ug/L	60	63.1	105	75-125	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 1472803

Parameter	Units	10233527005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	20	22.2	111	75-125	
1,2-Dichloroethane	ug/L	ND	20	21.8	109	74-128	
Benzene	ug/L	18.0	20	41.7	118	70-135	
Ethylbenzene	ug/L	5.2	20	30.2	125	75-125	
Methyl-tert-butyl ether	ug/L	4.2	20	26.6	112	70-132	
Toluene	ug/L	2.1	20	25.5	117	75-125	
Xylene (Total)	ug/L	7.3	60	79.3	120	75-125	
1,2-Dichloroethane-d4 (S)	%				100	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Toluene-d8 (S)	%				102	75-125	

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

SAMPLE DUPLICATE: 1472802

Parameter	Units	10233527004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	100	100	.06		
4-Bromofluorobenzene (S)	%	100	100	.1		
Toluene-d8 (S)	%	100	100	.4		

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QUALITY CONTROL DATA

Project: 2611255
Pace Project No.: 10233458

QC Batch: MSV/24216 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 10233458003

METHOD BLANK: 1472934 Matrix: Water
Associated Lab Samples: 10233458003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/08/13 12:46	
Ethylbenzene	ug/L	ND	1.0	07/08/13 12:46	
Toluene	ug/L	ND	1.0	07/08/13 12:46	
Xylene (Total)	ug/L	ND	3.0	07/08/13 12:46	
1,2-Dichloroethane-d4 (S)	%	79	75-125	07/08/13 12:46	
4-Bromofluorobenzene (S)	%	94	75-125	07/08/13 12:46	
Toluene-d8 (S)	%	97	75-125	07/08/13 12:46	

LABORATORY CONTROL SAMPLE: 1472935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.8	84	75-125	
Ethylbenzene	ug/L	20	18.0	90	75-125	
Toluene	ug/L	20	18.7	94	75-125	
Xylene (Total)	ug/L	60	57.8	96	75-125	
1,2-Dichloroethane-d4 (S)	%			81	75-125	
4-Bromofluorobenzene (S)	%			95	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1473055 1473056

Parameter	Units	10234476003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	100	100	90.7	94.3	90	94	70-135	4	30	
Ethylbenzene	ug/L	ND	100	100	98.9	103	99	103	75-125	4	30	
Toluene	ug/L	ND	100	100	101	106	101	106	75-125	4	30	
Xylene (Total)	ug/L	ND	300	300	316	328	105	109	75-125	4	30	
1,2-Dichloroethane-d4 (S)	%						81	81	75-125			
4-Bromofluorobenzene (S)	%						93	94	75-125			
Toluene-d8 (S)	%						99	97	75-125			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 2611255
Pace Project No.: 10233458

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2611255
Pace Project No.: 10233458

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10233458001	**MW-10_20130625**	NWTPH-Gx/8021	GCV/10975		
10233458002	**MW-11_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458003	**MW-14_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458004	**MW-15_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458005	**MW-16_20130625**	NWTPH-Gx/8021	GCV/10993		
10233458006	**MW-17_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458007	**MW-18_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458008	**MW-19_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458009	**MW-6_20130625**	NWTPH-Gx/8021	GCV/10993		
10233458010	**MW-7_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458011	**MW-9_20130625**	NWTPH-Gx/8021	GCV/10984		
10233458001	**MW-10_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458002	**MW-11_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458003	**MW-14_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458004	**MW-15_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458005	**MW-16_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458006	**MW-17_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458007	**MW-18_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458008	**MW-19_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458009	**MW-6_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458010	**MW-7_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458011	**MW-9_20130625**	EPA 3010	MPRP/40209	EPA 6010	ICP/16836
10233458001	**MW-10_20130625**	EPA 8260	MSV/24183		
10233458002	**MW-11_20130625**	EPA 8260	MSV/24183		
10233458003	**MW-14_20130625**	EPA 8260	MSV/24216		
10233458004	**MW-15_20130625**	EPA 8260	MSV/24183		
10233458005	**MW-16_20130625**	EPA 8260	MSV/24183		
10233458006	**MW-17_20130625**	EPA 8260	MSV/24183		
10233458007	**MW-18_20130625**	EPA 8260	MSV/24192		
10233458008	**MW-19_20130625**	EPA 8260	MSV/24192		
10233458009	**MW-6_20130625**	EPA 8260	MSV/24192		
10233458010	**MW-7_20130625**	EPA 8260	MSV/24192		
10233458011	**MW-9_20130625**	EPA 8260	MSV/24192		

20130625 2611255 WG_Q_201306 BO

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COP ELT CHAIN-OF-CUSTODY / Analytical Request Documer

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # 1 of 2

10233458

Pace Analytical
www.pacelabs.com

Required Lab Information:		**Required** Project Information:				**Required** Invoice Information:			
Lab Name:	Pace-Seattle	Site ID #:	2611255	Task:	WG_Q_201306	Send Invoice to:			
Address:	920 S Harney St Seattle, WA	Antea project #				Address:			
		Site Address	19924 INTERNATIONAL BLVD			City/State		Phone #:	
Lab PM:	Lori Castille (MN)	City	SEATAC	State	WA	Reimbursement project?		Non-reimbursement project?	Y
Phone/Fax:	P: F:	Antea PM Name	Bryan Taylor			Send EDD to	copeltdata@intelligentehs.com		
Lab PM email		Phone/Fax:	P: 425-882-3528 F:			CC Hardcopy report to	btaylor@deltaenv.com		
Applicable Lab Quote #:		Antea PM Emai	btaylor@deltaenv.com			CC Hardcopy report to			

Turn around time (days)	10			
QC level Required: Standard	Y	Special		Mark one
NJ Reduced Deliverable Package?				
MA MCP Cert?		CT RCP Cert?		Mark One
Lab Project ID (lab use)				

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WD
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO	RINSEATE	WH
OIL	OL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TA
AMBIENT AIR	AA		
SVE AIR	AE		
SOIL GAS	GS		

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 6010LeadTotal	EDB	EDC	8260BTEX	MTBE	NWTPH-Gx	Comments/Lab Sample I.D.
1	MW-10_20130625	WG	G	6/25/13	0630	7	N			1	6					X			X		X			10233458001
2	MW-11_20130625	WG	G	6/25/13	~~0745~~ 0745	7	N			1	6					X			X		X			002
3	MW-14_20130625	WG	G	6/25/13	0600	7	N			1	6					X			X		X			003
4	MW-15_20130625	WG	G	6/25/13	0545	7	N			1	6					X			X		X			004
5	MW-16_20130625	WG	G	6/25/13	0815	7	N			1	6					X			X		X			005
6	MW-17_20130625	WG	G	6/25/13	0830	7	N			1	6					X			X		X			006
7	MW-18_20130625	WG	G	6/25/13	0715	10	N			1	9					X	X	X	X	X	X			007
8	MW-19_20130625	WG	G	6/25/13	0730	10	N			1	9					X	X	X	X	X	X			008
9	MW-6_20130625	WG	G	6/25/13	0800	7	N			1	6					X			X		X			009
10	MW-7_20130625	WG	G	6/25/13	0645	7	N			1	6					X			X		X			010
11	MW-9_20130625	WG	G	6/25/13	0700	7	N			1	6					X			X		X			011
12	TB1_20130625	W	G	6/25/13	0500	~~6~~ 6	N				6								X		X			Hold Pending Analysis

Additional Comments/Special Instructions:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] ANTEA	6-25-13	0840	[signature] Jessie Gross/Pace	6/25/13	8:40
			PACE	6/26/13	

Sample Receipt Conditions			
3.1	Y / N	Y / N	Y / N
5.4	Y / N	Y / N	Y / N
5.8	(Y) N	(Y) N	(Y) N
0.6	(Y) N	(Y) N	(Y) N
Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING METHOD (mark as appropriate): UPS COURIER FEDEX US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dan Rowlands

SIGNATURE of SAMPLER: [signature] DATE Signed: 6-25-13 Time: 0830

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Final 11/13/06. AMTait

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: F-MN-L-213-rev.06	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Antea / Pace Seattle

Project #: WO#: 10233458

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 5648 7474 9006 / 5648 7474 8992

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☒ Yes ☐ No

Thermom. Used: ☒ B88A912167504 ☐ 80512447 ☐ 72337080 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 3.8/0.6 **Cooler Temp Corrected (°C):** 3.8/0.6 **Biological Tissue Frozen?** ☐ Yes ☐ No

Temp should be above freezing to 6°C **Correction Factor:** **Date and Initials of Person Examining Contents:** 6/26/13

Comments:

Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13. All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12) Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒ Yes ☒ Yes ☒ Yes	☐ No ☐ No ☐ No	☐ N/A ☐ N/A	13. ☒ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample # 1-11 1 1 Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☒ No	☐ N/A	14.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): CAN'T READ				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 6/26/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical	Document Name: Cooler Transfer Check List	Revised Date: 23Apr2013 Page 1 of 1
	Document Number: F-MN-C-120-rev.01	Issuing Authority: Pace Minnesota Quality Office

Cooler Transfer Check List

Client: Antea

Project Manager: Lori Castillo

Profile/Line #: 31344 #1 / 5

Received with Custody Seal: Yes (No)

Custody Seal Intact: Yes No (NA)

	Temp Read	Corrected Temp	Correction Factor
Temperature C:	2.1, 5.4	2.1, 5.4	Ø

IR Gun # (IR1) IR2

☐ Samples on ice, cooling process has begun

Rush/Short Hold: —

Containers Intact: (Yes) No

Re-packed and Re-Iced: ✓

Temp Blank Included: (Yes) No

Shipped By/Date: MO 6-25-13

Notes:

Appendix B

Field Data Sheet

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GROUNDWATER SAMPLING FIELD SHEET

PROJECT NUMBER: 142611255

SITE No./JOB No.: 2611255

SITE ADDRESS/LOCATION: 19924 INTERNATIONAL BLVD SEATAC

FIELD PERSONNEL: T. ROBERTS

CLIENT: COP/ELT

PAGE ____ of ____

DATE: 3/21/2013

WEATHER:

Well ID	Time	Well Diameter (in.)	Depth to Bottom (feet)	Depth to Water (feet)	Depth to LPH (feet)	LPH Thickness (feet)	Calc. Purge (gal)	Actual Purge (gal)	Purge Method (B/LF/P)	Dissolved Oxygen (mg/l)	Sample Appearance/ Comments
MW-4	0930	4	—	40.30	—	—	—	—	P	2.8	Sediment Rich.
MW-6	1155	4	—	29.22	—	—	—	—	P	1.6	
MW-7	1035	4	—	28.02	—	—	—	—	P	1.9	
MW-8	1050	4	—	46.55	—	—	—	—	P	3.9	
MW-9	1140	2	—	29.25	—	—	—	—	P	1.0	
MW-10	1120	2	—	28.63	—	—	—	—	P	1.1	Hydrocarbon Smell & Sheen.
MW-11	0950	2	—	27.64	—	—	—	—	P	1.6	
MW-16	1105	2	—	28.68	—	—	—	—	P	1.9	
MW-17	1210	2	—	29.31	—	—	—	—	P	1.5	

System Instructions:		
	Remedial System On-Site (Y / N)?	Comments:
	Operational Upon Arrival (Y / N)?	Comments:
	Shut Down System 1 / 24 hours before gauging (Y / N)?	Time/Date Downed:
	Re-Start System (Y / N)?	Time/Date Restarted:
	Purge Method:	Comments:

Purge Water Disposal Method: No Purge Water.

☐ Treated through mobile carbon treatment unit and discharged on-site

☐ Placed in drums on site — No. of drums: No drums.

☐ Transported off-site for treatment — Facility/Location:

Measuring Device(s): Solinst Interface probe

\\Deltaseattle\belred drive\Antea Group\Field Notes\Original Form Spreadsheet\GW Sampling Field Sheet

GROUNDWATER SAMPLING FIELD SHEET

anteagroup

PROJECT NUMBER: 261255 | CLIENT: COPELT

SITE No./JOB No.: SEATAC | PAGE: 1 of 1

SITE ADDRESS/LOCATION: 19924 International Blvd | DATE: 6-25-13

FIELD PERSONNEL: DR + ES | WEATHER: 65 + Rain

Well ID	Time	Well Diameter (in.)	Depth to Bottom (feet)	Depth to Water (feet)	Depth to LPH (feet)	LPH Thickness (feet)	Calc. Purge (gal)	Actual Purge (gal)	Purge Method (B/LF/P)	Dissolved Oxygen (mg/l)	Sample Appearance/ Comments
MW3		4	----	26.48							
MW5		4	----	18.82							
MW-1		4	—	27.33							
MW12		2	—	26.95							
MW-13		2	—	26.85							
MW6		4		29.09							
MW7	645	4		27.81							
MW9	700	2		29.08							
MW10	630	2		28.41							
MW11	[illegible]	2		27.38							
MW14	600	2		29.41							
MW15	0545	2		28.16							
MW16		2		28.42							
MW17		2		29.13							
MW18	715	2		27.65							
MW19		2		28.22							
SVE1				DRY							
SVE2			18.62	17.58							
SVE3			17.73	15.77							

System Instructions:		
	Remedial System On-Site (Y / N)? NA	Comments:
	Operational Upon Arrival (Y / N)?	Comments:
	Shut Down System 1 / 24 hours before gauging (Y / N)?	Time/Date Downed:
	Re-Start System (Y / N)?	Time/Date Restarted:
	Purge Method: NON-PURGE	Comments:

Purge Water Disposal Method:

- ☐ Treated through mobile carbon treatment unit and discharged on-site
- ☐ Placed in drums on site — No. of drums:
- ☒ Transported off-site for treatment — Facility/Location:

Measuring Device(s):