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Sevee & Maher Engineers, Inc.

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

June 15, 2017

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Mr. Jeremy Labbe
Pine Tree Landfill
358 Emerson Mill Rd
Hampden, Maine 04444

Subject: Pine Tree Landfill
April 2017 Water Quality Data Results

Dear Jeremy:

Please find enclosed the results of the April 2017 water quality sampling event completed at the Pine Tree Landfill (PTL) in Hampden, Maine. The samples were obtained between April 24 and April 26, 2017 in accordance with the sampling procedures outlined in the PTL Post-Closure Environmental Monitoring Plan (EMP), and with the updates to the sampling and analysis matrix for years 2016 through 2020, contained in Table 3-3 of the EMP. The updated EMP, included in the 2016 Water Quality Report, was submitted to the Maine Department of Environmental Protection (MEDEP) on April 14, 2017 as part of the PTL Annual Report. The April 2017 sampling round also included supplemental analysis of water quality samples from MW03-802B and MW03-803A for a broader list of detection parameters, VOCs and methane, as recommended in the 2016 Water Quality Report.

This sampling round included collection of water quality samples from 22 site monitoring wells and piezometers, two residential wells, four surface water locations, and two leachate locations. Eight of the monitoring wells and piezometers were monitored for field parameters only. Methane was monitored at the two residential wells during this sampling round, and as part of the supplemental analysis as previously described for MW02-802B and MW03-803A. The other monitoring locations were analyzed for field and indicator parameters as outlined in Table 3-3 of the EMP.

The April 2017 water quality data is presented as follows:

1. A map of sample locations.

2. Tabularized historical water quality database for the groundwater, surface water, residential wells, and leachate samples collected during the April 2017 event.

4 Blanchard Road, PO Box 85A, Cumberland Center, Maine 04021 • Phone 207.829.5016 • Fax 207.829.5692 • www.smemaine.com

3. April 2017 field data sheets.

4. April 2017 laboratory analytical reports.

5. Calculations of relative percent differences between samples and duplicate samples collected during the April 2017 event, as well as identification of values falling outside the historical ranges and ratio of Total Dissolved Solids to Specific Conductance.

Please note that we will forward the electronic data deliverable directly to the MEDEP as specified in the EMP.

The next round of routine water quality sampling is scheduled for the first week in October 2017.

If you have any questions on the information attached to this report, please feel free to contact us.

Sincerely,

SEVEE & MAHER ENGINEERS, INC.

Michael S. Booth, P.E.
Project Manager

Attachments

cc: Wayne Boyd (letter only)
Toni King (letter only)
Linda Butler, MEDEP
Richard Heath, MEDEP
Angus Jennings, Town of Hampden

ATTACHMENT 1

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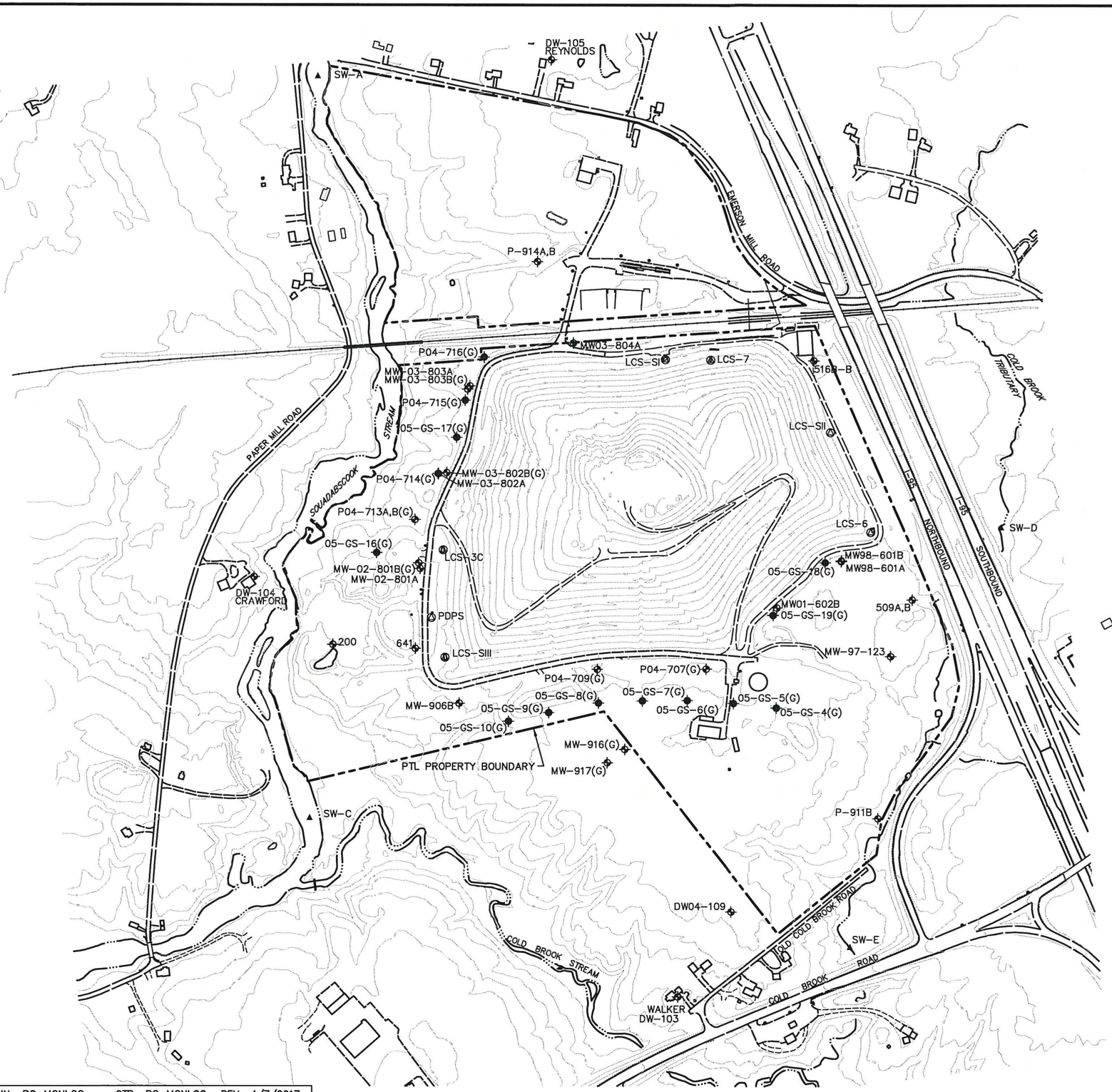

LEGEND

- MONITORING WELL, PIEZOMETER OR RESIDENTIAL WELL LOCATION
- SURFACE WATER SAMPLING LOCATION
- LEACHATE SAMPLING LOCATION
- SURFICIAL GAS MONITORING LOCATION

NOTES

TOPOGRAPHIC PLAN PREPARED BY AERIAL SURVEY & PHOTO, INC. NORRIDGEWOCK, MAINE PHOTOGRAPHED OCTOBER 29, 2007. GROUND CONTROL BY PLISGA & DAY OF BANGOR, MAINE.

SAMPLING ACTIVITIES AT DW-103, DW04-109, AND DW-111 OCCUR IN ACCORDANCE WITH THE CURRENT SITE ENVIRONMENTAL MONITORING PROGRAM.

(G) GROUNDWATER MONITORING LOCATIONS MONITORED FOR LANDFILL GAS

250 0 500 1000 FEET

FIGURE 3-1
2015 POST CLOSURE
MONITORING LOCATIONS
ENVIRONMENTAL MONITORING PLAN
PINE TREE LANDFILL
HAMPDEN, MAINE

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DWG: EMP LMN: PC-MONLOC CTB: PC-MONLOC REV: 4/7/2017

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ATTACHMENT 2

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REPORT PREPARED: 6/6/2017 14:08

FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(200) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU
200													
4/30/2008	XX	GW200X700	LF	956	6.9	4.8	92.5	86.2	6.3	169	0.8		0.5
7/22/2008	XX	GW200X72B	LF	738	6.8	13	92.5	81.41	11.09	114	0.2		1.3
10/7/2008	XX	GW200X753	LF	586	6.8	12.3	92.5	84.5	8	81	0.2	20.21	1
4/21/2009	XX	GW200X77E	LF	645	7	5.1	92.5	84.08	8.42	63	0.3		0
7/22/2009	XX	GW200X7A3	LF	621	6.9	11.8	92.5	83.24	9.26	434	0.2		0.3
10/20/2009	XX	GW200X7EJ	LF	679	7.3	10.7	92.5	80.5	12	-9	0.2	20.2	0
3/31/2010	XX	GW200X7HB	LF	577	6.8	5.6	92.5	86.8	5.7	190	0.2		0.4
7/27/2010	XX	GW200X7JF	LF	643	6.9	11.7	92.5	80.52	11.98	101	0		0.8
10/5/2010	XX	GW200X823	LF	782	6.8	13.3	92.5	83.56	8.94	133	0.6	20.2	0
4/12/2011	XX	GW200X89B	LF	629	7.1	6.5	92.5	85.5	7	190	0.6		1.7
7/27/2011	XX	GW200X8D7	LF	517	6.2	12.8	92.5	80.8	11.7	105	0.4		0
10/17/2011	XX	GW200X8B9	LF	614	7.4	13.8	92.5	84.05	8.45	88	0.3	20.2	3.5
10/17/2011	XX	GW200X8FG					92.5						
4/11/2012	XX	GW200X8HE	LF	659	7.3	5.7	92.5	83.08	9.42	107	0.3		4.5
7/11/2012	XX	GW200X8JH	LF	618	7.2	11.3	92.5	83.65	8.85	211	1		0
10/3/2012	XX	GW200X91J	LF	654	6.9	13.7	92.5	83.45	9.05	98	0.2	20.21	0
4/10/2013	XX	GW200X93J	LF	462	6.9	5.7	92.5	85.55	6.95	174	0.3		3.4
7/10/2013	XX	GW200X95J	LF	548	7.1	11	92.5	82.95	9.55	117	1		0.6
10/23/2013	XX	GW200X99I	LF	563	7.4	12.2	92.5	81.6	10.9	84	0.3	20.21	0.9
4/30/2014	XX	GW200X9C1	LF	472	7.1	5.2	92.5	85.44	7.06	212	0.3		2.5
7/16/2014	XX	GW200X9E3	LF	488	7.1	12	92.5	82.85	8.65	94	0.3		4.2
10/1/2014	XX	GW200X9G2	LF	475	7	12.3	92.5	80.46	12.04	99	0.2	20.2	2.2
4/15/2015	XX	GW200XA1G	LF	503	7.2	4.6	92.5	87.4	5.1	117	0.1		0.2
7/22/2015	XX	GW200XA40	LF	485	7.1	10.7	92.5	81.62	10.88	109	0.1		3.1
10/21/2015	XX	GW200XA66	LF	691	7.1	12	92.5	82.68	9.82	115	0.1 U	20.2	0.3
4/27/2016	XX	GW200XA87	LF	440	7.3	4.6	92.5	84.7	7.8	94	0.22		4.7
10/19/2016	XX	GW200XAC8	LF	633	7.2	12.2	92.5	79.1	13.4	88	0.1	20.2	0.3
4/26/2017	XX	GW200XAE8	LF	362	7.2	4.8	92.5	85.8	6.7	111	0.1		2.5
509A													
8/31/2010	XX	GW509A86E		1056	7.1	11.7	116.95	108.4	8.55				
4/11/2011	XX	GW509A8AC	LF	1012	6.9	7.4	116.95	109.75	7.2	4	0.2		1.8
7/27/2011	XX	GW509A8E8	LF	357	7	13.7	116.95	106.15	10.8	67	0.4		0
10/18/2011	XX	GW509A8CA	LF	1058	7.2	11.4	116.95	112.25	4.7	181	0.4	24.4	1.2
4/10/2012	XX	GW509A8IF	LF	890	7	6.6	116.95	109.07	7.88	-39	0.4		0
7/10/2012	XX	GW509A90H	LF	941	6.8	13	116.95	103.43	13.52	7	0.6		0
10/2/2012	XX	GW509A92H	LF	1208	6.8	12.4	116.95	109.09	7.86	-48	0.6	21.07	0
4/9/2013	XX	GW509A950	LF	860	6.8	5.4	116.95	109.53	7.42	149	0.6		0.1
7/9/2013	XX	GW509A96J	LF	923	6.6	11.6	116.95	108.6	8.35	13	0.4		1.3
10/22/2013	XX	GW509A9AG	LF	931	6.8	11.7	116.95	108.65	8.3	-25	0.4	24.32	0.2
4/29/2014	XX	GW509A9D2	LF	846	7.1	6.9	116.95	109.28	7.67	130	0.3		0.8
7/15/2014	XX	GW509A9F3	LF	1028	6.7	12.9	116.95	108.8	8.15	192	0.4		1.5
9/30/2014	XX	GW509A9H0	LF	1144	6.6	11.2	116.95	108.4	8.55	171	0.4	24.3	0.4
4/14/2015	XX	GW509AA2H	LF	891	6.8	6.5	116.95	109.85	7.1	133	1.1		0.5
7/21/2015	XX	GW509AA50	LF	1074	6.7	11.9	116.95	108.42	8.53	163	0.6		0.6
10/20/2015	XX	GW509AA74	LF	975	6.8	9.8	116.95	108.65	8.3	147	0.4	24.3	0.1
4/26/2016	XX	GW509AA95	LF	933	6.9	5.6	116.95	109.15	7.8	166	0.4		1
10/18/2016	XX	GW509AAD4	LF	1234	6.7	10.3	116.95	108.05	8.9	177	0.7	24.4	4.3

SUMMARY REPORT
Groundwater Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Collection Method	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
(509A)																	
4/25/2017	XX	GW509AAF4	LF	869	6.8	6.6	116.95	109.25	7.7	158	0.7		1.7				
509B																	
8/31/2010	XX	GW509B86F		1077	6.9	12.7	117.11	108.36	8.75								
4/11/2011	XX	GW509B899	LF	889	6.8	7.2	117.11	109.81	7.3	40	0.3		1.3				
7/27/2011	XX	GW509B8D5	LF	580	6.8	11.6	117.11	105.91	11.2	187	1		0				
10/18/2011	XX	GW509B8B7	LF	940	6.9	11.7	117.11	109.48	7.63	287	0.6	17.72	1.1				
10/18/2011	XX	GW509B8FE					117.11										
4/10/2012	XX	GW509B8HC	LF	782	6.9	6.2	117.11	109	8.11	34	0.3		0.6				
7/10/2012	XX	GW509B8JF	LF	817	6.7	13.6	117.11	108.92	8.19	66	0.4		0				
10/2/2012	XX	GW509B91H	LF	1136	6.6	13.1	117.11	109.03	8.08	295	0.4	17.68	0				
4/9/2013	XX	GW509B93H	LF	756	6.7	4.4	117.11	109.31	7.8	238	0.3		0.3				
7/9/2013	XX	GW509B95H	LF	775	6.6	12.8	117.11	108.84	8.27	227	0.8		1.7				
10/22/2013	XX	GW509B99G	LF	786	6.7	12.6	117.11	108.61	8.5	13	0.4	17.71	0.2				
4/29/2014	XX	GW509B9BJ	LF	827	7	5.1	117.11	109.21	7.9	245	0.3		0.8				
7/15/2014	XX	GW509B9E1	LF	1039	6.6	12.4	117.11	108.86	8.28	319	0.4		1.2				
9/30/2014	XX	GW509B9G0	LF	1120	6.6	11.9	117.11	108.31	8.8	232	0.4	17.65	0.5				
4/14/2015	XX	GW509BA1E	LF	920	6.7	5.1	117.11	109.91	7.2	208	1.2		0.5				
7/21/2015	XX	GW509BA3I	LF	1068	6.6	12.2	117.11	108.41	8.7	196	0.5		0.5				
10/20/2015	XX	GW509BA64	LF	961	6.7	10	117.11	108.6	8.51	199	0.6	17.6	0.1				
4/26/2016	XX	GW509BA85	LF	951	6.9	5.5	117.11	109.06	8.05	193	0.4		0.9				
10/18/2016	XX	GW509BAC6	LF	1249	6.7	10.8	117.11	108.11	9	216	0.7	17.72	1.9				
4/25/2017	XX	GW509BAE6	LF	889	6.8	4.8	117.11	109.31	7.8	174	0.6		1				
516B-B																	
4/30/2008	XX	GW516B701	LF	1084	7.3	7.5			9.2	211	3		0.9				
7/22/2008	XX	GW516B72C	LF	964	7.1	12.9			10.63	363	2		1.6				
10/7/2008	XX	GW516B754	LF	792	7.3	14.1			9.5	320	4	43.8	0.9				
4/22/2009	XX	GW516B77F	LF	1035	7	9.2			9.4	314	1		0				
7/21/2009	XX	GW516B7A4	LF	1014	7.1	14.7			9.62	367	1		0.2				
10/20/2009	XX	GW516B7F0	LF	945	7.5	8.3			9.9	49	0.4	43.8	0				
3/31/2010	XX	GW516B7HC	LF	948	7	7.6			8.67	300	1		0				
7/28/2010	XX	GW516B7JG	LF	1031	7	12.6			10.9	299	1		0.6				
10/5/2010	XX	GW516B824	LF	1074	7.2	12			9.82	270	0.4	43.8	0				
4/12/2011	XX	GW516B897	LF	1036	7.3	11.2			8.8	313	2		0.3				
7/26/2011	XX	GW516B8D3	LF	967	7	13.5			11	340	0.8		0				
10/17/2011	XX	GW516B8B5	LF	1012	7.6	12			8.9	424	0.4	43.82	2				
4/11/2012	XX	GW516B8HA	LF	1025	7.4	8.4			9.64	250	2		0				
7/11/2012	XX	GW516B8JD	LF	1032	7.3	13.2			9.92	329	0.6		0				
10/2/2012	XX	GW516B91F	LF	1004	7.1	12.3			9.62	255	0.3	43.8	0				
4/9/2013	XX	GW516B93F	LF	1001	7.5	7.8			9.7	456	2		1.1				
7/9/2013	XX	GW516B95F	LF	1076	7.3	13.4			9.75	241	0.8		0.4				
10/22/2013	XX	GW516B99E	LF	974	7.3	11.2			9.9	-19	0.4	43.8	0.2				
4/30/2014	XX	GW516B9BH	LF	1074	7.5	7.7			9.2	1	0.4		.6				
7/15/2014	XX	GW516B9DJ	LF	1048	7.1	13.9			9.6	111	0.3		1				
9/30/2014	XX	GW516B9FI	LF	1019	7.2	10.4			11	151	0.4	43.8	0.3				
4/14/2015	XX	GW516BA1C	LF	981	7.2	9.5			8.95	5	0.6		1.8				
7/20/2015	XX	GW516BA3G	LF	1100	7.1	16.5			10.1	26	0.4		1.2				
10/20/2015	XX	GW516BA62	LF	1030	7.1	10			9.9	54	0.4	43.8	1.1				
4/26/2016	XX	GW516BA83	LF	1103	7.3	7.6			9.55	69	0.4		0.6				

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(516B-B) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
10/18/2016	XX	GW516BAC4	LF	1141	7.1	10.7			14	99	0.6	43.9	1.9				
4/25/2017	XX	GW516BAE4	LF	1062	7.2	9.7			9.3	112	1.6		6.5				
641																	
4/29/2008	XX	GW641X708	LF	1941	6.5	8.9	107.47	86.74	20.73	208	1		1.6				
7/21/2008	XX	GW641X72J	LF	1955	6.4	19.6	107.47	85.67	21.8	21	0.6		2.8				
10/7/2008	XX	GW641X75B	LF	1773	6.5	13.2	107.47	87.45	20.02	39	0.6	34.31	0.9				
4/20/2009	XX	GW641X782	LF	2860	6.7	13.2	107.47	87.57	19.9	46	0.8		1.9				
7/20/2009	XX	GW641X7AB	LF	3290	6.5	17	107.47	87.05	20.42	-17	0.6		0.9				
10/20/2009	XX	GW641X7F7	LF	3060	7.2	7.9	107.47	85.7	21.77	-42	0.6	34.3	0				
3/29/2010	XX	GW641X7HJ	LF	2380	6.7	8.3	107.47	88.07	19.4	-38	0.6		0				
7/27/2010	XX	GW641X803	LF	1707	6.3	18.6	107.47	84.73	22.74	25	0.6		1				
10/5/2010	XX	GW641X82B	LF	1691	6.4	14.1	107.47	87.29	20.18	123	1	34.3	0				
4/13/2011	XX	GW641X89C	LF	1877	6.7	8.9	107.47	87.47	20	101	0.6		1				
7/26/2011	XX	GW641X8D8	LF	1519	6.9	16.6	107.47	84.59	22.88	126	1		0.8				
10/19/2011	XX	GW641X8FH					107.47										
10/19/2011	XX	GW641X8BA	LF	1618	6.8	11.4	107.47	87.77	19.7	-48	0.3	34.3	2.2				
4/10/2012	XX	GW641X8HF	LF	1124	6.9	12	107.47	86.63	20.84	-23	0.4		0				
7/10/2012	XX	GW641X8JI	LF	984	6.7	17.2	107.47	86.97	20.5	-22	0.4		0				
10/1/2012	XX	GW641X920	LF	3860	6.6	13.3	107.47	87.22	20.25	-61	0.4	34.31	0				
11/7/2012	XX	GW641X93E	LF	1540	6.7	10.6	107.47	88.37	19.1	-65	0.3	34.27	1.3				
4/9/2013	XX	GW641X940	LF	1699	6.9	6.8	107.47	88.47	19	103	0.4		1.2				
7/9/2013	XX	GW641X960	LF	815	6.6	16.6	107.47	86.4	21.07	11	0.6		2.4				
10/21/2013	XX	GW641X99J	LF	1140	6.5	15.3	107.47	84.99	22.48	85	0.6	34.35	0.5				
4/30/2014	XX	GW641X9C2	LF	1049	6.7	9	107.47	89.37	18.1	154	0.3		1				
7/16/2014	XX	GW641X9E4	LF	1184	6.6	14.7	107.47	86.62	20.85	136	0.4		0.7				
10/1/2014	XX	GW641X9G3	LF	922	6.7	12.6	107.47	84.72	22.75	66	0.4	34.32	0.2				
4/15/2015	XX	GW641XA1H	LF	1368	6.9	10.3	107.47	90.53	16.94	127	0.6		0.2				
7/22/2015	XX	GW641XA41	LF	1018	7	14.5	107.47	85.87	21.6	134	0.4		0.3				
10/20/2015	XX	GW641XA67	LF	933	7	13.8	107.47	86.11	21.36	143	0.4	34.32	1.2				
4/26/2016	XX	GW641XA88	LF	1301	7	7.6	107.47	87.57	19.9	110	0.5		0.9				
10/19/2016	XX	GW641XAC9	LF	822	6.9	15.3	107.47	84.41	23.06	119	0.4	34.33	0.4				
4/25/2017	XX	GW641XAE9	LF	1174	7	9	107.47	88.32	19.15	105	0.4		0.4				
MW01-602B																	
4/28/2008	XX	GW602B707	LF	4220	6.9	12.4	131.11	112.61	18.5	75	1		0				
9/8/2008	XX	GW602B72I	LF	3830	6.5	15.1	140.1	110.4	29.7	66	0.6	50.45	2.2				
10/6/2008	XX	GW602B75A	LF	1122	6.8	11.3	140.1	113	27.1	50	0.6	50.45	5				
4/22/2009	XX	GW602B781	LF	493	7.1	8.3	140.1	113.7	26.4	22	0.4		5.1				
7/20/2009	XX	GW602B7AA	LF	661	6.7	16.2	140.1	113.05	27.05	107	0.4		5.3				
10/19/2009	XX	GW602B7F6	LF	1930	6.9	10.6	140.1	110.3	29.8	144	0.2	50.45	0.2				
3/29/2010	XX	GW602B7HI	LF	642	6.9	7.6	140.1	114.2	25.9	11	0.4		0				
7/26/2010	XX	GW602B802	LF	2400	6.7	13.9	140.1	107	33.1	35	3		0				
10/4/2010	XX	GW602B82A	LF	914	6.8	12.8	140.1	113.1	27	54	0.1	50.43	0				
4/12/2011	XX	GW602B8AB	LF	550	7.2	8.3	140.1	115.15	24.95	143	2		0				
7/25/2011	XX	GW602B8E7	LF	1043	6.7	13.3	140.1	108.95	31.15	89	1		2.1				
4/9/2012	XX	GW602B8IE	LF	578	6.9	8.3	140.1	112.42	27.68	152	0.6		2.3				
7/9/2012	XX	GW602B90G	LF	606	6.8	8.9	140.1	112.6	27.5	-15	0.2		1.7				
4/9/2013	XX	GW602B94J	LF	401	6.8	6.7	140.1	114.3	25.8	-92	0.8		0.6				
7/8/2013	XX	GW602B96I	LF	462	7.1	15.7	140.1	111.9	28.2	82	1		1.3				

SUMMARY REPORT
Groundwater Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Collection Method	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
(MW01-602B)																	
4/29/2014	XX	GW602B9D1	LF	259	7.3	6.9	140.1	114.24	25.86	172	0.3		2.1				
7/14/2014	XX	GW602B9F2	LF	493	7.2	8.3	140.1	113.05	27.05	79	0.3		0.6				
4/13/2015	XX	GW602BA2G	LF	441	7.2	6.5	140.1	115.69	24.41	148	0.1		0.5				
7/20/2015	XX	GW602BA4J	LF	483	7.4	8.6	140.1	109.74	30.36	137	0.1 U		0.8				
4/25/2016	XX	GW602BAA3	LF	520	7.4	5.7	140.1	113.83	26.27	114	0.1		0.6				
10/18/2016	XX	GW602BADI	LF	660	6.8	9.5	140.1	107.63	32.47	105	0.1	50.45	0.3				
4/24/2017	XX	GW602BAFI	LF	487	7.2	7.2	140.1	113.95	26.15	144	0.1		0.4				
MW02-801A																	
4/30/2008	XX	GW801A709	LF	4370	7.2	10.3	112.9	86.7	26.2	196	3		1.8				
7/22/2008	XX	GW801A730	LF	4530	6.3	17.6	112.9	85.59	27.31	207	2		2.3				
10/8/2008	XX	GW801A75C	LF	4090	6.3	17.1	112.9	86	26.9	261	2	60.8	18.6				
4/22/2009	XX	GW801A783	LF	4080	6.7	10.7	112.9	86.48	26.42	43	2		10				
7/22/2009	XX	GW801A7AC	LF	4450	6.7	13.2	112.9	86.35	26.55	229	1		11				
10/21/2009	XX	GW801A7F8	LF	6490	6.6	15.3	112.9	85.35	27.55	207	2	60.88	3.2				
3/30/2010	XX	GW801A7I0	LF	4170	6.4	7.7	112.9	86.8	26.1	287	2		4.1				
7/28/2010	XX	GW801A804	LF	3850	6.4	18.5	112.9	85.25	27.65	111	2		0.2				
10/4/2010	XX	GW801A82C	LF	4520	6.6	12	112.9	85.15	27.75	152	1	60.85	1.6				
4/11/2011	XX	GW801A89F	LF	4240	7	7.9	112.9	86.95	25.95	134	5		2.5				
7/25/2011	XX	GW801A8DB	LF	3610	6.8	15.3	112.9	85.6	27.3	108	3		2.1				
10/17/2011	XX	GW801A8BD	LF	3880	7.2	13.2	112.9	86.05	26.85	151	0.4	60.88	0.6				
10/17/2011	XX	GW801A8G0					112.9										
4/9/2012	XX	GW801A8HI	LF	3730	6.6	11.9	112.9	86.2	26.7	354	1		2.4				
7/9/2012	XX	GW801A901	LF	3630	6.7	14.6	112.9	86.5	26.4	97	1		2.2				
10/3/2012	XX	GW801A923	LF	4020	6.7	11.8	112.9	85.67	27.23	34	0.6	60.76	0				
4/9/2013	XX	GW801A943	LF	3520	6.4	9.4	112.9	86.85	26.05	234	1		4.4				
7/8/2013	XX	GW801A963	LF	3600	6.7	16.1	112.9	86.25	26.65	111	1		1.5				
10/21/2013	XX	GW801A9A2	LF	3390	7	15.6	112.9	85.6	27.3	135	3	60.88	1.2				
4/28/2014	XX	GW801A9C5	LF	3530	6.5	10.7	112.9	87.5	25.4	188	3		1				
7/14/2014	XX	GW801A9E7	LF	3410	6.7	15.8	112.9	86.24	26.66	142	1		2.2				
9/29/2014	XX	GW801A9G6	LF	3330	7	16.8	112.9	85.15	27.75	95	1	60.88	5.4				
4/13/2015	XX	GW801AA20	LF	3271	6.6	11.2	112.9	87.05	25.85	155	1.6		3.4				
7/20/2015	XX	GW801AA44	LF	3044	6.8	11.3	112.9	85.65	27.25	168	0.1		0.8				
10/19/2015	XX	GW801AA6A	LF	3027	6.6	11.2	112.9	85.35	27.55	337	0.5	60.78	1.2				
4/25/2016	XX	GW801AA8B	LF	2776	6.8	11.3	112.9	86.98	25.92	145	0.1		1.3				
10/17/2016	XX	GW801AACC	LF	2876	6.6	14	112.9	84.5	28.4	89	0.3	60.88	1.1				
4/24/2017	XX	GW801AAEC	LF	2537	6.7	11.9	112.9	86.75	26.15	152	0.5		1.3				
MW02-801B																	
4/30/2008	XX	GW801B70B	LF	1092	7	10.7	112.61	87.11	25.5	151	4		1.2				
7/22/2008	XX	GW801B732	LF	4530	6.3	11.9	112.61	86.21	26.4	163	0.8		1				
10/8/2008	XX	GW801B75E	LF	950	6.6	12.9	112.61	86.01	26.6	385	0.8	32.98	10.1				
4/22/2009	XX	GW801B785	LF	3260	6.7	10.4	112.61	87.01	25.6	262	3		12.1				
7/22/2009	XX	GW801B7AE	LF	4340	6.4	12	112.61	86.86	25.75	216	1		7.6				
10/21/2009	XX	GW801B7FA	LF	5850	6.7	11.8	112.61	85.61	27	247	1	33.01	6.6				
3/30/2010	XX	GW801B7I2	LF	3660	6.3	9.5	112.61	87.51	25.1	167	1		1.9				
7/28/2010	XX	GW801B806	LF	4210	6.5	18.3	112.61	85.66	26.95	205	2		8.2				
10/4/2010	XX	GW801B82E	LF	4400	6.6	12.4	112.61	85.36	27.25	164	2	32.9	7.2				
4/11/2011	XX	GW801B8B1	LF	2210	7	10.8	112.61	87.31	25.3	148	2		8.5				
7/25/2011	XX	GW801B8EH	LF	2970	6.4	11.9	112.61	86.57	26.04	193	4		8.5				

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CUMBERLAND CENTER, ME 04021

(MW02-801B) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
10/17/2011	XX	GW801B8CJ	LF	4110	6.9	11.9	112.61	86.11	26.5	171	1	32.9	0.5				
4/9/2012	XX	GW801B8J4	LF	3520	6.5	10.5	112.61	86.81	25.8	222	0.6		7.6				
7/9/2012	XX	GW801B916	LF	3470	6.7	11.5	112.61	87.22	25.39	-42	0.6		3.2				
10/3/2012	XX	GW801B936	LF	3960	6.7	11.9	112.61	85.72	26.89	111	0.8	32.94	0				
4/9/2013	XX	GW801B959	LF	3490	6.5	9.3	112.61	87.31	25.3	174	0.8		5.1				
7/8/2013	XX	GW801B978	LF	3340	6.8	16.1	112.61	86.98	25.63	188	6		12.2				
10/21/2013	XX	GW801B9B5	LF	3620	6.8	12.3	112.61	86.26	26.35	134	0.6	32.9	3.5				
4/28/2014	XX	GW801B9DB	LF	3510	6.5	10.1	112.61	87.58	25.03	284	4		3.4				
7/14/2014	XX	GW801B9FC	LF	3570	6.8	12.9	112.61	86.71	25.9	122	1		1.8				
9/29/2014	XX	GW801B9H9	LF	3700	6.8	11.9	112.61	85.79	26.82	141	0.4	33.01	2.7				
4/13/2015	XX	GW801BA35	LF	3320	6.7	11.4	112.61	87.1	25.51	152	3.9		8.5				
7/20/2015	XX	GW801BA59	LF	2927	6.9	11.8	112.61	86.51	26.1	165	0.4		1.6				
10/19/2015	XX	GW801BA7D	LF	2320	6.9	11.1	112.61	85.54	27.07	225	0.3	32.9	0.9				
4/25/2016	XX	GW801BA9D	LF	2820	6.9	11.2	112.61	87.89	24.72	129	0.5		1.4				
10/17/2016	XX	GW801BADC	LF	2732	6.7	12.8	112.61	84.91	27.7	149	0.5	32.9	1.3				
4/24/2017	XX	GW801BAFC	LF	2097	6.8	11.2	112.61	87.11	25.5	139	0.5		1.5				
MW03-802A																	
4/29/2008	XX	GW802A70A	LF	866	6.6	7.3	120.72	96.17	24.55	126	1		4.1				
7/22/2008	XX	GW802A731	LF	870	6.6	13.9	120.72	95.22	25.5	144	1		2.4				
10/6/2008	XX	GW802A75D	LF	821	6.7	8.4	120.72	95.4	25.32	135	1	54.53	2.8				
4/21/2009	XX	GW802A784	LF	1017	6.7	6.5	120.72	96.02	24.7	190	1		3				
7/21/2009	XX	GW802A7AD	LF	1014	6.5	13.7	120.72	95.82	24.9	117	1		3.2				
10/19/2009	XX	GW802A7F9	LF	952	7.2	8.6	120.72	94.72	26	131	2	54.55	1.7				
3/30/2010	XX	GW802A7I1	LF	890	6.5	7.8	120.72	96.22	24.5	128	1		0.4				
7/26/2010	XX	GW802A805	LF	1042	6.4	18.4	120.72	94.72	26	25	0.8		2.4				
10/4/2010	XX	GW802A82D	LF	1007	6.6	10.1	120.72	94.86	25.86	157	2	54.5	0				
4/11/2011	XX	GW802A89G	LF	876	6.8	8.2	120.72	96.72	24	159	0.4		6				
7/26/2011	XX	GW802A8DC	LF	987	6.8	11.6	120.72	95.07	25.65	155	1		1.6				
10/17/2011	XX	GW802A8BE	LF	959	6.9	10.2	120.72	95.92	24.8	136	0.6	54.5	1.8				
4/9/2012	XX	GW802A8HJ	LF	612	5.9	8.6	120.72	95.72	25	27	2		5				
7/9/2012	XX	GW802A902	LF	859	6.3	13.7	120.72	95.73	24.99	-42	1		0				
10/1/2012	XX	GW802A924	LF	866	6.5	11.8	120.72	94.91	25.81	-27	1	54.43	0				
4/8/2013	XX	GW802A944	LF	712	6.4	9.2	120.72	96.02	24.7	245	1		0.8				
7/8/2013	XX	GW802A964	LF	886	6.5	12.9	120.72	95.62	25.1	46	0.8		0.5				
10/21/2013	XX	GW802A9A3	LF	776	6.5	10.3	120.72	94.98	25.74	66	1	54.5	1.2				
4/28/2014	XX	GW802A9C6	LF	773	6.5	9.2	120.72	96.22	24.5	80	2		1.2				
7/14/2014	XX	GW802A9E8	LF	763	6.3	16	120.72	95.52	25.2	159	0.8		0.8				
9/29/2014	XX	GW802A9G7	LF	837	6.5	11.7	120.72	94.72	26	124	0.8	54.5	0.4				
4/13/2015	XX	GW802AA21	LF	611	6.8	11.8	120.72	96.12	24.6	217	3.6		1.3				
7/20/2015	XX	GW802AA45	LF	689	6.7	15	120.72	95.32	25.4	225	1.4		0.8				
10/20/2015	XX	GW802AA6B	LF	716	6.8	10.1	120.72	94.92	25.8	166	1.5	54.5	0.5				
4/25/2016	XX	GW802AA8C	LF	470	7.4	9.8	120.72	95.92	24.8	266	3.6		1.7				
10/17/2016	XX	GW802AACD	LF	491	7.3	13.4	120.72	93.92	26.8	233	0.6	54.5	3.7				
4/24/2017	XX	GW802AAED	LF	762	6.9	12	120.72	96.12	24.6	166	1.1		0.5				
MW03-802B																	
4/29/2008	XX	GW802B6JD	LF	1026	6.2	7.4	122.01	94.11	27.9	248	1		2.1				
7/22/2008	XX	GW802B725	LF	1022	6	12.4	122.01	93.61	28.4	227	1		2.8				
10/6/2008	XX	GW802B74G	LF	961	6	9.1	122.01	93.71	28.3	201	1	34.9	0.7				

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Groundwater Field Data

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Collection Method	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
(MW03-802B)																	
4/21/2009	XX	GW802B777	LF	1112	6.2	6.1	122.01	94.16	27.85	183	1		1				
7/21/2009	XX	GW802B79H	LF	1050	6.2	13.7	122.01	93.91	28.1	242	1		2				
10/19/2009	XX	GW802B7EC	LF	880	6.3	7.9	122.01	93.66	28.35	97	2	34.88	2.9				
3/30/2010	XX	GW802B7H4	LF	910	6.1	6.9	122.01	94.01	28	206	1		0				
7/26/2010	XX	GW802B7J9	LF	1130	6.1	15.2	122.01	93.71	28.3	157	2		7.3				
10/4/2010	XX	GW802B81G	LF	927	5.8	9.7	122.01	93.49	28.52	264	2	34.8	0				
4/11/2011	XX	GW802B8AE	LF	958	6.2	8.3	122.01	94.51	27.5	193	0.4		0				
7/26/2011	XX	GW802B8EA	LF	1114	6.1	13.6	122.01	93.96	28.05	258	1		1				
10/17/2011	XX	GW802B8CC	LF	990	6.3	10	122.01	94.16	27.85	87	0.4	34.82	1.6				
4/9/2012	XX	GW802B8IH	LF	1101	6.1	8.6	122.01	93.89	28.12	202	1		5.6				
7/9/2012	XX	GW802B90J	LF	1086	6.3	13.9	122.01	94.08	27.93	215	0.6		2.7				
10/1/2012	XX	GW802B92J	LF	1228	5.9	11.5	122.01	93.8	28.21	-11	1	34.75	0				
4/8/2013	XX	GW802B952	LF	1053	6.5	9.2	122.01	94.06	27.95	175	0.4		0.6				
7/8/2013	XX	GW802B971	LF	1173	6.1	11.2	122.01	94.01	28	204	0.4		2.6				
10/21/2013	XX	GW802B9AI	LF	1198	6.2	10.3	122.01	93.81	28.2	66	1	34.82	0.6				
4/28/2014	XX	GW802B9D4	LF	1077	6.6	9	122.01	99.19	27.82	57	0.4		0.9				
7/14/2014	XX	GW802B9F5	LF	1175	6.5	14	122.01	94.01	28	184	0.4		0.9				
9/29/2014	XX	GW802B9H2	LF	1256	6.1	12.2	122.01	93.81	28.2	141	0.6	34.85	1				
4/13/2015	XX	GW802BA2J	LF	1220	6.6	10.9	122.01	94.01	28	178	1.6		0.7				
7/20/2015	XX	GW802BA52	LF	1323	6.4	13.2	122.01	94.01	28	161	1.4		0.8				
10/20/2015	XX	GW802BA76	LF	1286	6.3	10	122.01	93.89	28.12	144	0.7	34.85	0.2				
4/25/2016	XX	GW802BA97	LF	1135	6.6	10.1	122.01	94.31	27.7	114	0.7		0.4				
10/17/2016	XX	GW802BAD6	LF	1587	6.2	12.5	122.01	93.71	28.3	151	3.6	34.85	6.1				
4/24/2017	XX	GW802BAF6	LF	1241	6.6	12.4	122.01	94.15	27.8	183	3.2		2				
MW03-803A																	
4/29/2008	XX	GW803A6JE	LF	1010	6.7	7.5	125.76	104.78	20.98	161	3		2.4				
7/22/2008	XX	GW803A726	LF	1095	6.5	12.5	125.76	103.81	21.95	149	0.8		1.7				
10/6/2008	XX	GW803A74H	LF	1005	6.4	9.6	125.76	104.86	20.9	36	0.6	43.92	0.5				
4/21/2009	XX	GW803A778	LF	1245	6.5	6.7	125.76	104.86	20.9	281	0.8		4.9				
7/21/2009	XX	GW803A79I	LF	973	6.6	11.4	125.76	104.66	21.1	268	0.8		1.2				
10/19/2009	XX	GW803A7ED	LF	1155	6.4	6.1	125.76	103.76	22	145	1	43.89	0.2				
3/30/2010	XX	GW803A7H5	LF	781	6.7	7.2	125.76	105.46	20.3	242	1		0				
7/26/2010	XX	GW803A7JA	LF	1305	6.2	12.9	125.76	103.51	22.25	194	0.8		0.6				
10/4/2010	XX	GW803A81H	LF	1131	6.4	10.7	125.76	104.01	21.75	301	1	43.9	0				
4/11/2011	XX	GW803A8AF	LF	809	7	8.6	125.76	105.71	20.05	244	0.6		1.3				
7/26/2011	XX	GW803A8EB	LF	1200	6.4	12.7	125.76	103.97	21.79	339	1		0.5				
10/17/2011	XX	GW803A8CD	LF	1222	6.8	11.2	125.76	104.86	20.9	196	0.6	43.89	1.2				
4/9/2012	XX	GW803A8II	LF	1093	6.3	8.9	125.76	104.53	21.23	276	0.6		0				
7/9/2012	XX	GW803A910	LF	1177	6.6	11.4	125.76	104.62	21.14	289	0.4		0				
10/1/2012	XX	GW803A930	LF	1299	6.4	11.2	125.76	104.05	21.71	273	0.6	42.9	0				
4/8/2013	XX	GW803A953	LF	1019	6.7	9.6	125.76	105.06	20.7	271	0.6		0.4				
7/8/2013	XX	GW803A972	LF	1186	6.1	11.4	125.76	104.46	21.3	308	0.6		0.2				
10/21/2013	XX	GW803A9AJ	LF	1149	6.6	10.8	125.76	103.91	21.85	238	0.6	43.9	2.5				
4/28/2014	XX	GW803A9D5	LF	1312	6.8	9.3	125.76	105.11	20.65	326	0.6		2.2				
7/14/2014	XX	GW803A9F6	LF	1264	6.5	12.4	125.76	104.66	21.1	221	0.6		0.5				
9/29/2014	XX	GW803A9H3	LF	1342	6.5	12.4	125.76	103.56	22.2	350	0.6	43.95	0.1				
4/13/2015	XX	GW803AA30	LF	1268	6.7	8.9	125.76	105.41	20.35	281	1.2		1.2				
7/20/2015	XX	GW803AA53	LF	1343	6.5	12.1	125.76	104.11	21.65	292	2.7		0.2				
10/19/2015	XX	GW803AA77	LF	1343	6.4	9.3	125.76	104.11	21.65	266	2.5	43.95	1				

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(MW03-803A) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
4/25/2016	XX	GW803AA98	LF	1341	6.5	9.2	125.76	106.06	19.7	319	0.7		2.5				
7/27/2016	XX	GW803AABB	LF	1440	6.5	12.2	125.76	103.76	22	273	1.8		3.5				
10/17/2016	XX	GW803AAD7	LF	1455	6.4	10.6	125.76	102.66	23.1	355	1.8	43.89	3.9				
4/24/2017	XX	GW803AAF7	LF	1691	6.7	9.7	125.76	105.31	20.45	229	4.2		0.3				
MW03-803B																	
4/29/2008	XX	GW803B6JF	LF	1158	6.3	7.6	125.41	102.81	22.6	250	1		0.5				
7/22/2008	XX	GW803B727	LF	1183	6.2	11.7	125.41	102.21	23.2	172	0.6		0.7				
10/6/2008	XX	GW803B74I	LF	1013	6.1	10	125.41	103.21	22.2	129	0.4	30.02	0.4				
4/21/2009	XX	GW803B779	LF	1315	6.2	6.6	125.41	102.96	22.45	177	0.6		0.8				
7/21/2009	XX	GW803B79J	LF	1300	6.1	11.4	125.41	102.76	22.65	152	0.6		0.7				
10/19/2009	XX	GW803B7EE	LF	1175	6.1	7.3	125.41	102.21	23.2	159	2	30	1				
3/30/2010	XX	GW803B7H6	LF	996	6.2	7.3	125.41	104.13	21.28	30	1		1.2				
7/26/2010	XX	GW803B7JB	LF	1443	6.1	12.4	125.41	101.91	23.5	136	0.6		0.5				
10/4/2010	XX	GW803B81I	LF	1437	6.2	10.8	125.41	102.23	23.18	190	2	30	0				
4/11/2011	XX	GW803B89H	LF	1242	6.3	8.9	125.41	103.86	21.55	-29	0.3		0.4				
7/26/2011	XX	GW803B8DD	LF	1403	6.1	11.4	125.41	102.14	23.27	249	1		0.4				
10/17/2011	XX	GW803B8BF	LF	1367	6.4	10.9	125.41	103.01	22.4	101	0.3	30	1.2				
10/17/2011	XX	GW803B8G2					125.41										
4/9/2012	XX	GW803B8I0	LF	1269	6.1	9	125.41	102.6	22.81	-25	0.4		0				
7/9/2012	XX	GW803B903	LF	1391	6.2	10.7	125.41	102.69	22.72	27	0.4		0				
10/1/2012	XX	GW803B925	LF	1415	6.3	11.2	125.41	102.22	23.19	225	0.6	30.08	0				
4/8/2013	XX	GW803B945	LF	1348	6.3	9.4	125.41	103.43	21.98	191	0.4		3.1				
7/8/2013	XX	GW803B965	LF	1377	5.8	10.6	125.41	102.51	22.9	115	0.8		0.4				
10/21/2013	XX	GW803B9A4	LF	1335	6.4	10.6	125.41	102.06	23.35	92	0.6	30.06	0.3				
4/28/2014	XX	GW803B9C7	LF	1316	6.4	9.3	125.41	103.51	21.9	46	0.4		2.9				
7/14/2014	XX	GW803B9E9	LF	1383	6.1	11.3	125.41	102.71	22.7	156	0.3		0.7				
9/29/2014	XX	GW803B9G8	LF	1423	6.2	10.7	125.41	101.81	23.6	183	0.6	30.08	0.2				
4/13/2015	XX	GW803BA22	LF	1157	6.3	8.6	125.41	104.03	21.38	107	2.9		3.3				
7/20/2015	XX	GW803BA46	LF	1352	6.3	11.8	125.41	102.18	23.23	194	1.7		0.7				
10/19/2015	XX	GW803BA6C	LF	1352	6.3	9.8	125.41	102.51	22.9	186	3.3	30.08	1				
4/25/2016	XX	GW803BA8D	LF	1390	6.4	9.1	125.41	103.33	22.08	155	0.9		0.6				
7/27/2016	XX	GW803BAAI	LF	1480	6.3	12.1	125.41	102.09	23.32	199	2.9		5.7				
10/17/2016	XX	GW803BACE	LF	1497	6.3	11.2	125.41	101.21	24.2	204	2.1	30	5.2				
4/24/2017	XX	GW803BAEE	LF	1358	6.3	9.4	125.41	103.81	21.6	134	1.9		0.7				
MW03-804A																	
4/29/2008	XX	GW804A6JG	LF	808	6.5	7.7	137.51	118.51	19	328	1		0.5				
7/22/2008	XX	GW804A728	LF	786	6.5	15.3	137.51	117.23	20.28	361	0.8		0.2				
10/7/2008	XX	GW804A74J	LF	643	6.5	12.4	137.51	118.51	19	334	1	54.42	0.6				
4/21/2009	XX	GW804A77A	LF	823	6.7	6.7	137.51	118.51	19	348	0.6		0				
7/21/2009	XX	GW804A7A0	LF	790	6.7	13.7	137.51	119.01	18.5	385	0.6		0				
10/19/2009	XX	GW804A7EF	LF	770	6.4	8.2	137.51	117.56	19.95	291	0.4	54.42	0.8				
3/30/2010	XX	GW804A7H7	LF	699	6.4	7	137.51	119.33	18.18	256	0.4		0				
7/26/2010	XX	GW804A7JC	LF	786	6.4	14.1	137.51	117.48	20.03	263	0.4		0.6				
10/4/2010	XX	GW804A81J	LF	797	6.6	12.7	137.51	119.78	17.73	362	1	54.4	0				
4/11/2011	XX	GW804A8AG	LF	693	6.7	9.3	137.51	120.81	16.7	298	0.4		0.5				
7/25/2011	XX	GW804A8EC	LF	760	6.5	14.4	137.51	117.65	19.86	314	0.6		2				
10/17/2011	XX	GW804A8CE	LF	723	7.3	12.3	137.51	119.91	17.6	405	0.8	54.45	1.3				
4/9/2012	XX	GW804A8IJ	LF	597	6.3	8.8	137.51	118.71	18.8	318	1		0.7				

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(MW03-804A) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
7/9/2012	XX	GW804A911	LF	737	6.6	13.2	137.51	120.14	17.37	265	0.4		0				
10/1/2012	XX	GW804A931	LF	739	6.5	12.9	137.51	118.15	19.36	245	0.4	54.41	0				
4/8/2013	XX	GW804A954	LF	674	6.7	9.9	137.51	119.41	18.1	344	1		0.5				
7/8/2013	XX	GW804A973	LF	712	6.5	14.1	137.51	120.29	17.22	336	0.8		1.2				
10/21/2013	XX	GW804A9B0	LF	683	6.7	12.9	137.51	118.81	18.7	315	0.6	55.44	0.3				
4/28/2014	XX	GW804A9D6	LF	682	6.9	8.9	137.51	120.31	17.2	419	1		0.4				
7/14/2014	XX	GW804A9F7	LF	699	6.7	14.8	137.51	120.39	17.12	414	0.6		0.9				
9/29/2014	XX	GW804A9H4	LF	781	6.7	11.6	137.51	118.01	19.5	334	0.4	54.44	0				
4/13/2015	XX	GW804AA31	LF	697	6.7	12.5	137.51	119.96	17.55	272	1.3		0.7				
7/20/2015	XX	GW804AA54	LF	845	6.6	14.6	137.51	119.31	18.2	292	1.3		0.1				
10/19/2015	XX	GW804AA78	LF	792	6.6	10.1	137.51	118.81	18.7	255	0.9	54.44	0.05 U				
4/25/2016	XX	GW804AA99	LF	854	6.7	11	137.51	121.31	16.2	311	0.8		0.3				
10/17/2016	XX	GW804AAD8	LF	1070	6.6	14	137.51	116.61	20.9	261	0.9	54.47	1.4				
4/24/2017	XX	GW804AAF8	LF	805	6.6	10.6	137.51	121.01	16.5	236	1.6		0.4				
MW-906B																	
4/29/2008	XX	GW906B70D	LF	576	6.9	8.7	125	94.4	30.6	273	1		0.5				
7/22/2008	XX	GW906B734	LF	600	6.8	9.4	125	91.2	33.8	290	3		0				
10/6/2008	XX	GW906B75G	LF	513	6.8	10.1	125	92	33	251	1	40.3	2.6				
4/20/2009	XX	GW906B787	LF	554	6.8	10.1	125	93.8	31.2	291	0.6		1.9				
7/22/2009	XX	GW906B7AG	LF	593	6.8	10.9	125	94.3	30.7	378	0.8		5.5				
10/19/2009	XX	GW906B7FC	LF	968	7.4	9.6	125	92.1	32.9	278	2	40.28	0.4				
3/29/2010	XX	GW906B7I4	LF	645	6.7	8.3	125	93.9	31.1	117	2		2.5				
7/26/2010	XX	GW906B808	LF	608	6.8	10.1	125	91.5	33.5	274	0.8		2.5				
10/4/2010	XX	GW906B82G	LF	697	6.6	9.8	125	91.4	33.6	327	0.8	40.25	0				
4/11/2011	XX	GW906B89J	LF	568	6.8	9.3	125	91.9	33.1	250	0.4		4.8				
7/25/2011	XX	GW906B8DF	LF	529	6.5	10.8	125	92.3	32.7	288	1		1.1				
10/17/2011	XX	GW906B8G4					125										
10/17/2011	XX	GW906B8BH	LF	621	7.9	9.6	125	93.2	31.8	282	2	40.25	1.3				
4/9/2012	XX	GW906B8I2	LF	507	6.6	9.3	125	93.85	31.15	328	1		2.8				
7/9/2012	XX	GW906B905	LF	515	6.6	11	125	94	31	-58	0.4		6.5				
10/2/2012	XX	GW906B927	LF	550	6.6	10	125	91.75	33.25	441	0.6	40.25	3.6				
4/8/2013	XX	GW906B947	LF	512	6.8	9.7	125	92.4	32.6	-46	0.3		1				
7/9/2013	XX	GW906B967	LF	500	6.6	11.1	125	93.55	31.45	212	1		2.8				
10/22/2013	XX	GW906B9A6	LF	466	6.9	10.2	125	92.1	32.9	156	2	40.25	6.9				
4/28/2014	XX	GW906B9C9	LF	513	6.3	9.5	125	93.9	31.1	329	1		2.1				
7/15/2014	XX	GW906B9EB	LF	465	7	10.5	125	93.36	31.64	296	1		1.2				
9/30/2014	XX	GW906B9GA	LF	481	6.9	9.8	125	91.95	33.05	399	3	40.3	0.5				
4/14/2015	XX	GW906BA24	LF	474	6.9	9.8	125	93.65	31.35	380	1.8		0.5				
7/21/2015	XX	GW906BA48	LF	457	7	9.8	125	92.79	32.21	364	0.2		0.3				
10/19/2015	XX	GW906BA6E	LF	451	7	9.4	125	91.84	33.16	269	0.2	40.3	0.4				
4/25/2016	XX	GW906BA8F	LF	427	7.2	9.5	125	94.03	30.97	283	0.4		0.6				
10/17/2016	XX	GW906BACG	LF	469	7	10.2	125	91.3	33.7	306	0.3	40.25	0.3				
4/25/2017	XX	GW906BAEG	LF	382	7	9.6	125	92.87	32.13	307	0.2		0.6				
MW-916																	
4/30/2008	XX	GW916X70H	LF	1160	6.7	7.6	138.96	100.31	38.65	110	0.4		0.8				
7/21/2008	XX	GW916X738	LF	1398	6.3	9.3	138.96	100.31	38.65	-12	1		0				
10/7/2008	XX	GW916X760	LF	646	6	12.2	138.96	100.11	38.85	242	1	45.42	4.2				
4/20/2009	XX	GW916X78B	LF	948	6	8.5	138.96	101.08	37.88	36	0.4		2.2				

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(MW-916) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU
7/21/2009	XX	GW916X7B0	LF	672	6.6	10.4	138.96	99.46	39.5	389	6		8.9
10/20/2009	XX	GW916X7FG	LF	1626	6.5	8.6	138.96	100.86	38.1	157	0.5	45.44	2.3
3/31/2010	XX	GW916X7I8	LF	225	7.8	7.2	138.96	101.11	37.85	191	5		2.1
7/27/2010	XX	GW916X80C	LF	612	5.8	13.8	138.96	99.26	39.7	189	2		6.1
10/5/2010	XX	GW916X830	LF	1297	6.8	9.6	138.96	99.16	39.8	-16	1	45.44	6.3
4/12/2011	XX	GW916X89A	LF	763	6.9	9.2	138.96	100.97	37.99	225	1		5.1
7/26/2011	XX	GW916X8D6	LF	511	6.4	9.8	138.96	101.46	37.5	349	2		0
10/18/2011	XX	GW916X8B8	LF	335	7.2	9.3	138.96	101.21	37.75	326	1	45.44	2.6
10/18/2011	XX	GW916X8FF					138.96						
4/10/2012	XX	GW916X8HD	LF	883	6.8	8.4	138.96	101.61	37.35	186	0.8		4.9
7/10/2012	XX	GW916X8JG	LF	500	6.9	11.3	138.96	101.96	37	213	1		5.4
10/2/2012	XX	GW916X91I	LF	716	6.8	10	138.96	100.66	38.3	190	2	45.45	7.4
4/8/2013	XX	GW916X93I	LF	870	6.6	9.3	138.96	101.56	37.4	239	1		3.5
7/9/2013	XX	GW916X95I	LF	780	6.9	9.1	138.96	101.37	37.59	184	1		10.1
10/22/2013	XX	GW916X99H	LF	480	7.5	10	138.96	101.61	37.35	237	3	45.44	3.2
4/29/2014	XX	GW916X9C0	LF	450	6.2	9.7	138.96	101.36	37.6	317	1		2.6
7/15/2014	XX	GW916X9E2	LF	432	7.2	10.5	138.96	101.6	37.36	271	2		3.1
9/30/2014	XX	GW916X9G1	LF	616	7.3	9.7	138.96	101.15	37.81	233	0.6	45.38	4.2
4/29/2015	XX	GW916XA1F	LF	335	8	9.1	138.96	101.51	37.45	325	10		1.6
7/21/2015	XX	GW916XA3J	LF	415	7.5	10.4	138.96	101.71	37.25	202	0.9		0.4
10/20/2015	XX	GW916XA65	LF	257	7.4	9.5	138.96	100.61	38.35	207	0.4	45.44	0.8
4/26/2016	XX	GW916XA86	LF	386	7.8	8.5	138.96	102.05	36.91	233	3.1		0.4
10/18/2016	XX	GW916XAC7	LF	883	7	9.2	138.96	99.06	39.9	148	0.2	45.44	1.1
4/25/2017	XX	GW916XAE7	LF	571	7.2	9.1	138.96	100.48	38.48	263	0.2		0.2
MW-917													
4/30/2008	XX	GW917X70I	LF	1473	6.8	7.8	137.99	100.57	37.42	-72	0.3		1.2
7/21/2008	XX	GW917X739	LF	1372	6.6	9.4	137.99	100.54	37.45	110	1		0
10/7/2008	XX	GW917X761	LF	1192	6.6	10.8	137.99	99.89	38.1	342	2	63.75	2
4/20/2009	XX	GW917X78C	LF	1282	6.7	8.6	137.99	101.29	36.7	27	0.6		0
7/21/2009	XX	GW917X7B1	LF	1103	6.5	9.2	137.99	100.24	37.75	132	3		7.3
10/20/2009	XX	GW917X7FH	LF	1815	6.8	8.8	137.99	100.09	37.9	139	1	63.73	0
3/31/2010	XX	GW917X7I9	LF	1298	7	6.7	137.99	101.09	36.9	146	4		1.6
7/27/2010	XX	GW917X80D	LF	1120	6.6	9.6	137.99	99.49	38.5	98	1		0
10/5/2010	XX	GW917X831	LF	1219	7	9	137.99	98.89	39.1	-33	0.2	63.68	0
4/12/2011	XX	GW917X89I	LF	1111	7	8.7	137.99	101.01	36.98	137	0.2		0
7/26/2011	XX	GW917X8DE	LF	1045	6.1	9.8	137.99	101.51	36.48	109	1		0
10/18/2011	XX	GW917X8BG	LF	389	7.4	9.1	137.99	101.19	36.8	170	0.2	63.7	0
10/18/2011	XX	GW917X8G3					137.99						
4/10/2012	XX	GW917X8I1	LF	1067	6.9	8.4	137.99	101.67	36.32	102	0.2		1.6
7/10/2012	XX	GW917X904	LF	990	6.8	9.7	137.99	101.99	36	-183	0.2		1.4
10/2/2012	XX	GW917X926	LF	1116	6.9	9	137.99	100.62	37.37	-55	0.2	63.7	2.4
4/8/2013	XX	GW917X946	LF	1071	6.8	8.9	137.99	101.59	36.4	-187	0.2		0.9
7/9/2013	XX	GW917X966	LF	1017	6.8	9.4	137.99	101.45	36.54	-13	0.2		0.7
10/22/2013	XX	GW917X9A5	LF	960	7.2	8.9	137.99	101.92	36.07	16	0.2	63.7	0.4
4/29/2014	XX	GW917X9C8	LF	1007	6.6	9.3	137.99	101.69	36.3	127	0.2		4.5
7/15/2014	XX	GW917X9EA	LF	962	7	9.9	137.99	101.99	36	40	0.2		0.2
9/30/2014	XX	GW917X9G9	LF	938	7.3	9.3	137.99	101.43	36.56	100	0.2	63.72	0.4
4/14/2015	XX	GW917XA23	LF	956	6.9	9.2	137.99	101.89	36.1	110	3.6		0.3
7/21/2015	XX	GW917XA47	LF	912	7.1	9.1	137.99	102.09	35.9	112	0.1		0.5

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(MW-917) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
10/20/2015	XX	GW917XA6D	LF	354	7.1	8.9	137.99	101.01	36.98	119	0.1	63.7	0.2				
4/26/2016	XX	GW917XA8E	LF	867	7.2	8.5	137.99	102.44	35.55	92	0.1		0.2				
10/18/2016	XX	GW917XACF	LF	906	7	9.1	137.99	100.49	37.5	107	0.1	63.7	0.2				
4/25/2017	XX	GW917XAEF	LF	792	7	8.8	137.99	100.87	37.12	305	0.1		0.2				
MW97-123																	
4/28/2008	XX	GW123X6JJ	LF	1343	7.2	8.6	125.72	110.52	15.2	71	0.6		2				
7/21/2008	XX	GW123X72A	LF	1162	7.1	11.3	125.72	106.94	18.78	82	0.4		0.6				
10/6/2008	XX	GW123X752	LF	1007	7	9.9	125.72	110.22	15.5	108	0.4	76.05	0.5				
4/20/2009	XX	GW123X77D	LF	1508	7.2	10.1	125.72	110.72	15	20	0.6		2.1				
7/20/2009	XX	GW123X7A2	LF	1542	7	15.3	125.72	110.56	15.16	121	0.4		0.3				
10/19/2009	XX	GW123X7EI	LF	849	7.5	10.4	125.72	108.99	16.73	65	0.4	76.08	0				
3/31/2010	XX	GW123X7HA	LF	1477	6.9	7.1	125.72	111.48	14.24	195	1		0.4				
7/27/2010	XX	GW123X7JE	LF	923	6.9	11.3	125.72	107.91	17.81	56	0.3		1.3				
10/5/2010	XX	GW123X822	LF	1553	6.9	8.8	125.72	109.38	16.34	200	1	76.1	0				
4/12/2011	XX	GW123X89B	LF	1826	7.1	7.5	125.72	111.12	14.6	196	0.3		4.2				
7/26/2011	XX	GW123X8D4	LF	1777	7.2	10.8	125.72	108.45	17.27	154	0.3		0.5				
10/18/2011	XX	GW123X8FD					125.72										
10/18/2011	XX	GW123X8B6	LF	1697	7.4	10.6	125.72	110.42	15.3	70	0.4	76.08	1.3				
4/10/2012	XX	GW123X8HB	LF	1691	7.2	7.2	125.72	110.11	15.61	-7	1		2.7				
7/11/2012	XX	GW123X8JE	LF	1671	7.1	9.8	125.72	109.98	15.74	277	0.2		0				
10/2/2012	XX	GW123X91G	LF	1581	7	10.9	125.72	109.52	16.2	15	0.2	76.08	0				
4/10/2013	XX	GW123X93G	LF	1509	6.8	8.3	125.72	110.71	15.01	142	0.3		7.7				
7/9/2013	XX	GW123X95G	LF	1592	6.8	9.9	125.72	109.85	15.87	7	0.4		2.5				
10/23/2013	XX	GW123X99F	LF	1350	7.4	9.1	125.72	109.17	16.55	94	1	178.6	1				
4/30/2014	XX	GW123X9BI	LF	1414	7	6.3	125.72	110.82	14.9	238	1		4.8				
7/16/2014	XX	GW123X9E0	LF	1356	7.1	10.4	125.72	110.32	15.4	88	0.4		2.2				
10/1/2014	XX	GW123X9FJ	LF	1350	7.3	9.3	125.72	108.6	17.12	124	0.3	178.6	2.5				
4/15/2015	XX	GW123XA1D	LF	867	7.9	7.4	125.72	111.37	14.35	-27	0.1		2.1				
7/22/2015	XX	GW123XA3H	LF	886	7.7	9.5	125.72	109.1	16.62	-62	0.1 U		4.8				
10/21/2015	XX	GW123XA63	LF	1190	7.3	9.2	125.72	109.87	15.85	195	0.3	178.6	1.2				
4/27/2016	XX	GW123XA84	LF	1382	7.2	5.5	125.72	110.77	14.95	155	0.4		5.3				
10/19/2016	XX	GW123XAC5	LF	780	7.2	11.5	125.72	107.82	17.9	113	0.3	178.6	0.2				
4/26/2017	XX	GW123XAE5	LF	1226	7.1	7.6	125.72	110.92	14.8	157	0.6		0.2				
MW98-601A																	
4/28/2008	XX	GW601A702	LF	2300	6.5	9.5	118.81	112.48	6.33	253	3		0				
7/21/2008	XX	GW601A72D	LF	2490	6.3	14.5	118.81	110.18	8.63	284	0.4		0				
10/6/2008	XX	GW601A755	LF	1817	6.3	13.4	118.81	111.5	7.31	178	0.4	28.55	0.2				
4/20/2009	XX	GW601A77G	LF	2740	6.5	9.9	118.81	112.66	6.15	299	0.8		0.5				
7/20/2009	XX	GW601A7A5	LF	2780	6.3	15.4	118.81	112.41	6.4	317	0.4		0.2				
10/19/2009	XX	GW601A7F1	LF	2590	6.9	11.9	118.81	110.16	8.65	221	0.4	28.58	0				
3/29/2010	XX	GW601A7HD	LF	2430	6.4	8.7	118.81	112.49	6.32	227	0.6		0.2				
7/27/2010	XX	GW601A7JH	LF	2420	6.3	18.8	118.81	108.37	10.44	351	0.6		0.3				
8/31/2010	XX	GW601A86B	LF	2410	6.3	14.8	118.81	107.78	11.03								
10/5/2010	XX	GW601A825	LF	2370	6.4	13.6	118.81	110.7	8.11	301	0.8	28.49	0				
4/12/2011	XX	GW601A8A9	LF	2490	6.6	10.4	118.81	112.84	5.97	228	0.6		0.2				
7/25/2011	XX	GW601A8E5	LF	2620	6.4	16	118.81	109.11	9.7	318	0.4		0.4				
4/10/2012	XX	GW601A8IC	LF	2400	6.6	10.4	118.81	111.75	7.06	268	0.6		0				
7/10/2012	XX	GW601A90E	LF	2510	6.5	13.2	118.81	111.84	6.97	284	0.3		0				

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
(MW98-601A)																	
4/8/2013	XX	GW601A94H	LF	2460	6.6	11.1	118.81	112.51	6.3	273	0.4		0.5				
7/9/2013	XX	GW601A96G	LF	2880	6.4	15.2	118.81	111.21	7.6	280	0.6		0.3				
4/28/2014	XX	GW601A9CJ	LF	2290	6.8	9.7	118.81	112.76	6.05	275	0.8		1.3				
7/15/2014	XX	GW601A9F0	LF	2270	6.5	16.3	118.81	111.91	6.9	171	0.3		0.7				
4/14/2015	XX	GW601AA2E	LF	2225	6.5	12.3	118.81	113.01	5.8	246	3.8		1				
7/21/2015	XX	GW601AA4H	LF	2518	6.5	14	118.81	110.01	8.8	222	4.1		0.9				
4/26/2016	XX	GW601AAA4	LF	2330	6.6	8.8	118.81	112.66	6.15	232	1.4		1				
10/18/2016	XX	GW601AADJ	LF	2371	6.5	13.5	118.81	108.53	10.28	231	2.9	28.58	4				
4/25/2017	XX	GW601AAFJ	LF	2158	6.6	11	118.81	112.81	6	234	2.6		0.7				
MW98-601B																	
4/28/2008	XX	GW601B703	LF	1374	6.5	9	118.79	112.47	6.32	85	0.4		0				
7/21/2008	XX	GW601B72E	LF	1490	6.2	15.5	118.79	110.1	8.69	70	0.3		0.7				
10/6/2008	XX	GW601B756	LF	1151	6.1	15	118.79	111.5	7.29	61	0.3	15.02	0.3				
4/20/2009	XX	GW601B77H	LF	1583	6.5	9.6	118.79	112.64	6.15	64	0.2		1.8				
7/20/2009	XX	GW601B7A6	LF	1730	6.4	15.7	118.79	112.44	6.35	60	0.3		0.8				
10/19/2009	XX	GW601B7F2	LF	1557	6.7	12.7	118.79	110.09	8.7	28	0.3	15	0				
3/29/2010	XX	GW601B7HE	LF	1264	6.5	8	118.79	112.49	6.3	-38	0.3		0.3				
7/27/2010	XX	GW601B7JI	LF	1779	6.3	19	118.79	108.35	10.44	158	0.3		0.2				
8/31/2010	XX	GW601B86C	LF	1485	6.2	17.4	118.79	107.82	10.97								
10/5/2010	XX	GW601B826	LF	1645	6.1	15.4	118.79	110.79	8	251	1	15	0				
4/12/2011	XX	GW601B8AA	LF	1591	6.6	9.3	118.79	112.84	5.95	103	0.2		0.5				
7/25/2011	XX	GW601B8E6	LF	1814	6.4	17.8	118.79	109.03	9.76	159	0.3		1.1				
4/10/2012	XX	GW601B8ID	LF	1761	6.6	9.7	118.79	111.77	7.02	65	0		0.5				
7/10/2012	XX	GW601B90F	LF	1506	6.4	14.5	118.79	111.82	6.97	31	0.3		0				
4/8/2013	XX	GW601B94I	LF	1667	6.5	11	118.79	112.59	6.2	117	0.2		2.6				
7/9/2013	XX	GW601B96H	LF	1843	6.3	17.2	118.79	111.36	7.43	400	0.2		0.4				
4/26/2014	XX	GW601B9D0	LF	1488	6.2	9	118.79	112.84	5.95	123	1		0.9				
7/15/2014	XX	GW601B9F1	LF	1333	6.4	17	118.79	111.97	6.82	109	0.2		0.8				
4/14/2015	XX	GW601BA2F	LF	1176	6.5	11	118.79	113.19	5.6	109	3.7		0.4				
7/21/2015	XX	GW601BA4I	LF	1730	6.4	15.9	118.79	110.19	8.6	114	4		0.3				
4/26/2016	XX	GW601BAA2	LF	1354	6.5	8.2	118.79	112.79	6	108	2.4		0.5				
10/18/2016	XX	GW601BADH	LF	1696	6.4	14.7	118.79	108.54	10.25	170	3.1	15.07	3.8				
4/25/2017	XX	GW601BAFH	LF	1419	6.4	11.1	118.79	112.89	5.9	99	4.5		0.8				
P-911B																	
8/31/2010	XX	GW911B865		1249	7.1	10.2	105.67										
4/12/2011	XX	GW911B8AD	LF	1207	6.9	8.9	105.67	103.64	2.03	96	0.3		2.4				
7/27/2011	XX	GW911B8E9	LF	1042	6.5	13.1	105.67	100.89	4.78	130	0.6		0.8				
10/19/2011	XX	GW911B8CB	LF	1174	6.7	11.9	105.67	100.77	4.9	104	0.6	22.51	2.8				
4/10/2012	XX	GW911B8IG	LF	1098	6.9	7.4	105.67	102.83	2.84	117	0.3		9.6				
7/10/2012	XX	GW911B90I	LF	1097	6.9	11.1	105.67	102.16	3.51	182	0.2		0				
10/2/2012	XX	GW911B92I	LF	1048	6.8	11.9	105.67	101.7	3.97	73	0.3	22.44	0				
4/8/2013	XX	GW911B951	LF	993	6.8	7.7	105.67	103.02	2.65	196	0.3		12.2				
7/8/2013	XX	GW911B970	LF	1070	6.6	12.5	105.67	102.47	3.2	106	0.4		6.1				
10/23/2013	XX	GW911B9AH	LF	1086	7.5	9.6	105.67	101.79	3.88	91	0.3	22.53	4.2				
4/30/2014	XX	GW911B9D3	LF	768	7.3	7.1	105.67	103.09	2.58	126	0.4		6.2				
7/16/2014	XX	GW911B9F4	LF	944	6.8	10.4	105.67	102.42	3.25	129	0.3		11.4				
10/1/2014	XX	GW911B9H1	LF	904	7.2	10	105.67	100.87	4.8	157	0.2	22.52	4.1				
4/15/2015	XX	GW911BA2I	LF	959	6.8	7.6	105.67	103.79	1.88	137	0.1		1.1				

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

(P-911B) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
7/22/2015	XX	GW911BA51	LF	911	6.9	10.1	105.67	101.58	4.09	118	0.1		8.1				
10/21/2015	XX	GW911BA75	LF	861	7.4	9.2	105.67	101.77	3.9	161	0.6	22.53	2.1				
4/26/2016	XX	GW911BA96	LF	941	7	6.7	105.67	102.74	2.93	129	0.5		2.5				
10/19/2016	XX	GW911BAD5	LF	918	6.8	11.1	105.67	99.85	5.82	127	0.2	22.48	1.5				
4/24/2017	XX	GW911BAF5	LF	884	6.9	7.9	105.67	103.24	2.43	143	0.1		1.2				
P-914A																	
4/28/2008	XX	GW914A70F	LF	775	6.7	9.2	122.51	115.27	7.24	-13	0.8		0				
7/21/2008	XX	GW914A736	LF	750	6.5	11	122.51	114.01	8.5	-64	0.4		0.4				
10/7/2008	XX	GW914A75I	LF	683	6.6	9	122.51	115.13	7.38	-10	0.4	42	0.5				
4/20/2009	XX	GW914A789	LF	819	6.8	9.2	122.51	115.16	7.35	-79	0.8		0.5				
7/20/2009	XX	GW914A7AI	LF	806	6.7	13.1	122.51	115.01	7.5	-70	0.8		0.9				
10/19/2009	XX	GW914A7FE	LF	715	7.3	10.1	122.51	113.66	8.85	-48	0.4	42	0				
3/29/2010	XX	GW914A7I6	LF	689	6.7	8.1	122.51	115.51	7	-48	0.6		0				
7/28/2010	XX	GW914A80A	LF	750	6.8	10.7	122.51	112.96	9.55	-35	0.4		0				
10/5/2010	XX	GW914A82I	LF	728	6.7	11.9	122.51	113.89	8.62	136	0.8	41.95	0				
4/13/2011	XX	GW914A8A0	LF	745	6.7	7.3	122.51	115.58	6.93	49	0.4		0				
7/26/2011	XX	GW914A8DG	LF	726	6.8	10.4	122.51	113.75	8.76	72	0.3		0.2				
10/18/2011	XX	GW914A8G5					122.51										
10/18/2011	XX	GW914A8BI	LF	730	7	11.1	122.51	115.01	7.5	-39	0.3	42	1.4				
4/11/2012	XX	GW914A8I3	LF	737	6.9	7.6	122.51	115.2	7.31	-102	0.4		0				
7/10/2012	XX	GW914A906	LF	769	6.8	9.9	122.51	114.72	7.79	-59	0.3		0				
10/2/2012	XX	GW914A928	LF	722	6.6	9.9	122.51	114.24	8.27	-105	0.4	11.02 M	0				
4/10/2013	XX	GW914A948	LF	730	6.6	8	122.51	115.48	7.03	54	0.3		0.3				
7/8/2013	XX	GW914A968	LF	791	6.6	11.3	122.51	114.88	7.63	-23	0.6		0				
10/22/2013	XX	GW914A9A7	LF	691	6.8	10.5	122.51	114.46	8.05	-49	0.6	12.98	0.1				
4/28/2014	XX	GW914A9CA	LF	747	7.1	7.4	122.51	115.59	6.92	-29	0.4		0.5				
7/14/2014	XX	GW914A9EC	LF	770	6.9	10.7	122.51	115.01	7.5	65	0.3		0.3				
9/29/2014	XX	GW914A9GB	LF	769	6.9	10.9	122.51	113.51	9	45	0.4	13.21	0				
4/13/2015	XX	GW914AA25	LF	683	6.9	10.3	122.51	115.79	6.72	105	0.7		0.7				
7/20/2015	XX	GW914AA49	LF	783	6.8	11.5	122.51	113.85	8.66	169	0.3		0.6				
10/19/2015	XX	GW914AA6F	LF	735	6.8	9.3	122.51	114.23	8.28	167	0.7	13.25	0.05 U				
4/25/2016	XX	GW914AA8G	LF	828	6.9	8	122.51	115.38	7.13	128	0.4		0.1				
10/17/2016	XX	GW914AACH	LF	847	6.8	11	122.51	112.51	10	138	0.4	Q	2.7				
4/24/2017	XX	GW914AAEH	LF	850	6.8	7.9	122.51	115.73	6.78	119	1.2		0.4				
P-914B																	
4/28/2008	XX	GW914B70G	LF	669	6.8	9.9	122.55	115.04	7.51	59	1		3.2				
7/21/2008	XX	GW914B737	LF	599	6.5	14.1	122.55	114.42	8.13	118	1		5.4				
10/7/2008	XX	GW914B75J	LF	584	6.5	9.6	122.55	115.02	7.53	91	1	18.28	4.4				
4/20/2009	XX	GW914B78A	LF	698	6.6	9.6	122.55	115.03	7.52	187	1		3.7				
7/20/2009	XX	GW914B7AJ	LF	655	6.5	11.6	122.55	114.95	7.6	39	1		3.8				
10/19/2009	XX	GW914B7FF	LF	575	7.2	10.8	122.55	113.89	8.66	98	1	18.3	7.4				
3/29/2010	XX	GW914B7I7	LF	572	6.5	7.8	122.55	115.25	7.3	171	1		6.1				
7/28/2010	XX	GW914B80B	LF	616	6.7	13.9	122.55	113.35	9.2	214	1		8.7				
10/5/2010	XX	GW914B82J	LF	622	6.7	11.8	122.55	114.5	8.05	240	1	18.3	26				
4/13/2011	XX	GW914B8AH	LF	599	6.6	6.6	122.55	115.17	7.38	150	1		1.5				
7/26/2011	XX	GW914B8ED	LF	579	6.6	11.1	122.55	113.15	9.4	145	1		1.2				
10/18/2011	XX	GW914B8CF	LF	604	7	12.5	122.55	114.55	8	315	1	18.3	6				
4/11/2012	XX	GW914B8J0	LF	599	6.6	7.3	122.55	114.98	7.57	-41	1		0				

SUMMARY REPORT

Groundwater Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-914B)

Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Well Depth Feet	Turbidity (field) NTU				
7/10/2012	XX	GW914B912	LF	652	6.7	11.4	122.55	114.81	7.74	291	0.3		1.4				
10/2/2012	XX	GW914B932	LF	606	6.3	10.3	122.55	114.71	7.84	220	0.8	18.29	0				
4/10/2013	XX	GW914B955	LF	595	6.4	9.3	122.55	115.2	7.35	15	2		2.6				
7/8/2013	XX	GW914B974	LF	674	6.3	10.9	122.55	114.84	7.71	109	0.8		0.5				
10/22/2013	XX	GW914B9B1	LF	594	6.7	11.3	122.55	114.68	7.87	93	0.8	18.3	0.9				
4/28/2014	XX	GW914B9D7	LF	633	6.7	6.9	122.55	115.25	7.3	171	0.6		0.6				
7/14/2014	XX	GW914B9F8	LF	654	6.6	10.9	122.55	114.85	7.7	293	0.6		1				
9/29/2014	XX	GW914B9H5	LF	637	6.6	12.2	122.55	114.05	8.5	314	0.6	18.3	2.5				
4/13/2015	XX	GW914BA32	LF	589	6.5	9.2	122.55	115.45	7.1	200	0.7		1.6				
7/20/2015	XX	GW914BA55	LF	691	6.8	12.3	122.55	114.67	7.88	218	0.8		2.1				
10/19/2015	XX	GW914BA79	LF	646	6.6	9.6	122.55	114.62	7.93	226	0.6	18.3	3				
4/25/2016	XX	GW914BA9A	LF	747	6.7	8	122.55	115.11	7.44	211	1		1.4				
10/17/2016	XX	GW914BAD9	LF	772	6.6	11.9	122.55	113.4	9.15	233	0.6	18.3	5.4				
4/24/2017	XX	GW914BAF9	LF	776	6.5	7.6	122.55	115.35	7.2	315	0.5		1.7				

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

M - Results are missing or not reliable due to a meter malfunction.
Q - An obstruction prevented the collection of data.
U - Not Detected above the laboratory reporting limit.

Sample collection notes:

LF - Low flow sample method used to collect the sample.

REPORT PREPARED: 6/5/2017 15:25

FOR: Pinetree Landfill

SUMMARY REPORT

Leachate Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LCS-3C) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU
LCS-3C								
7/27/2011	XX	LTL3CX8E3	36300	6.9	30.3	99	6	D3
10/18/2011	XX	LTXXXX8GC	36400	7.3	27.9	-61	0.6	629
7/9/2012	XX	LTL3CX90D	22800	7.5	24.1	101	2	824
7/8/2013	XX	LTL3CX96F	47600	7.4	30	202	3	6.4
7/15/2014	XX	LTL3CX9EJ	42500	7.2	27.9	-101	D2	1946
7/21/2015	XX	LTL3CXA4G	38500	7.2	28.1	88	D2	3.2
4/27/2016	XX	LTLCSXA92	40200	6.4	20.6	64	0.8	1.2
10/18/2016	XX	LTLCSXAD3	40100	6.5	17.7	220	D2	2.6
4/26/2017	XX	LTLCSXAF3	43500	6.5	20.7	124	1	2.3
LCS-SI								
4/13/2011	XX	LTSC1X8A7	16250	7.5	6.8	-94	D2	5.8
4/10/2012	XX	LTSC1X8IA	14900	7.7	9.7	50	D2	8.9
4/8/2013	XX	LTSC1X94F	15560	7.6	6.9	-67	D2	6.5
4/29/2014	XX	LTSC1X9CH	17120	7.9	6.7	-153	D2	5.8
4/15/2015	XX	LTSC1XA2C	18130	8.4	8.1	279	D2	1
10/18/2016	XX	LTXXXXAE0	15120	6.7	15.5	139	D2	0.6
PDPS								
4/30/2008	XX	LTPDPX6J3	12930	7.5	14.3	217	2	21.2
7/23/2008	XX	LTPDPX71F	5870	6.8	21.4	116	1	6.2
10/8/2008	XX	LTPDPX746	5100	7.3	18.4	51	1	4.3
4/22/2009	XX	LTPDPX76H	6070	7.1	16.2	223	1	0
7/21/2009	XX	LTPDPX797	6370	7.2	23.2	292	2	7.7
10/21/2009	XX	LTPDPX7E2	5490	7	20.1	208	5	26.3
3/30/2010	XX	LTPDPX7GE	3130	6.7	10.5	173	1	1.4
7/26/2010	XX	LTPDPX7IJ	7560	7	25.8	138	1	6
10/6/2010	XX	LTPDPX816	4910	7	17	211	1	3.6
4/12/2011	XX	LTPDPX8A5	3920	7.2	15.4	125	1	3.7
7/26/2011	XX	LTPDPX8E1	6670	7.3	23.5	230	2	4.4
10/18/2011	XX	LTPDPX8C3	3310	7.2	18.8	56	1	11.6
4/10/2012	XX	LTPDPX8I8	3800	7.1	16.8	340	2	6.9
7/9/2012	XX	LTPDPX90B	4040	6.9	22.9	48	3	3.9
10/2/2012	XX	LTPDPX92D	2930	6.7	21.3	201	2	6.1
4/9/2013	XX	LTPDPX94D	2410	6.9	11.9	145	1	5.4
7/10/2013	XX	LTPDPX96D	4130	6.7	20.7	140	3	23
10/23/2013	XX	LTPDPX9AC	3880	7.2	14.8	219	3	35
4/29/2014	XX	LTPDPX9CF	8660	7.5	14	87	1	0.8
7/15/2014	XX	LTPDPX9EH	2690	6.8	20.2	170	1	2.6
9/30/2014	XX	LTPDPX9GG	4890	7.1	17.8	175	1	5.7
1/20/2015	XX	LTPDPX9I8	2110	7.6	4.4	57	3	2.8
4/15/2015	XX	LTPDPXA2A	1536	7	10.4	276	1	4.9
7/21/2015	XX	LTPDPXA4E	3240	7.1	23.3	254	2	4.3
10/20/2015	XX	LTPDPXA70	3670	7.1	16.7	207	1	3.6
4/27/2016	XX	LTPDPXA91	2060	6.8	8.7	167	1	25.6
10/18/2016	XX	LTPDPXAD2	9100	6.5	18.3	238	1	6.6
4/26/2017	XX	LTPDPXAF2	1497	6.2	11.4	155	1	1.8

SUMMARY REPORT

Leachate Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(PDPS)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

D2 - Sample too dark to read D.O. reading.
D3 - Sample too dark to take reading.

REPORT PREPARED: 6/5/2017 15:26

FOR: Pinetree Landfill

SUMMARY REPORT

Residential Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(DW-103) Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU					
DW-103																	
4/28/2008	XX	DW103X710		436	8.2	10.2				115	1	0					
7/21/2008	XX	DW103X73B		412	7.5	11.2				305	1	1					
10/8/2008	XX	DW103X763		372	7.4	11.3				310	2	2					
4/20/2009	XX	DW103X78E		376	7.5	10				96	0.6	0					
7/20/2009	XX	DW103X7B3		403	7.2	13				264	1	0.2					
10/20/2009	XX	DW103X7FJ		585	7.1	10.9				278	1	0.5					
3/29/2010	XX	DW103X7IB		454	7.4	9.9				197	1	0					
7/26/2010	XX	DW103X80F		414	7.4	11.6				242	2	0.1					
10/4/2010	XX	DW103X833		494	8.1	15.9				272	2	0					
4/11/2011	XX	DW103X8AI		452	7.8	11.4				108	1	0					
7/25/2011	XX	DW103X8EE	GRAB	440	7.7	15.9				262	1	0					
10/18/2011	XX	DW103X8CG	GRAB	326	8.1	13.4				259	1	0					
4/9/2012	XX	DW103X8J1	GRAB	407	7.8	11.1				344	1	1.8					
7/9/2012	XX	DW103X913	GRAB	386	7.6	15.3				9	2	3.5					
10/24/2012	XX	DW103X933	GRAB	401	7.4	11.6				242	1	1.9					
4/8/2013	XX	DW103X956	GRAB	426	7.5	10.8				95	1	0.8					
7/8/2013	XX	DW103X975	GRAB	399	7.1	12.4				95	1	0.5					
10/21/2013	XX	DW103X9B2	GRAB	372	7.2	12.6				174	1	0.2					
4/28/2014	XX	DW103X9D8	GRAB	409	6.2	10.7				146	1	1.2					
6/3/2014	XX	DW103N41793	GRAB	415	8.1	10.2				135	2	0.5					
7/14/2014	XX	DW103X9F9	GRAB	418	7.7	14.8				145	1	0.8					
9/29/2014	XX	DW103X9H6	GRAB	433	7.6	12.4				96	1	0.6					
4/13/2015	XX	DW103XA33	GRAB	416	7.9	10.3				55	1.5	0.6					
7/20/2015	XX	DW103XA5G	GRAB	428	7.7	12.6				105	1.3	0.6					
10/19/2015	XX	DW103XA7A		A	A	A				A	A	A					
12/15/2015	XX	DW103XA7AX	GRAB	383	8.7	10.5				94	2.3	3.7					
4/25/2016	XX	DW103XA9B	GRAB	482	7.8	9.9				88	1.2	2.1					
10/17/2016	XX	DW103XADA	GRAB	477	8.1	12.7				98	1.2	0.8					
4/24/2017	XX	DW103XAFA	GRAB	411	7.9	11				123	1.5	2.6					
DW04-109																	
4/30/2008	XX	DW109X716	LF	858	7.9	9	134.04	100.54	33.5	278	0.8	18.3					
7/21/2008	XX	DW109X740	LF	1105	7.2	16.4	134.04			876	6	8.7					
10/7/2008	XX	DW109X768	LF	2880	7.6	11.3	134.04			1004	8	20.1					
4/22/2009	XX	DW109X78I	LF	895	7.4	9.6	134.04	101.34	32.7	129	1	2.5					
7/21/2009	XX	DW109X7BA	LF	905	7.2	14.9	134.04			109	3	12.6					
10/20/2009	XX	DW109X7G3	LF	925	7.9	7.4	134.04	100.17	33.87	99	1	11.3					
3/31/2010	XX	DW109X7IC	LF	1048	7.1	8.1	134.04	101.64	32.4	74	3	12.2					
7/27/2010	XX	DW109X812	LF	905	7	12.1	134.04	99.84	34.2	105	1	2.6					
10/5/2010	XX	DW109X834	LF	1126	7.3	10.4	134.04	98.54	35.5	87	1	0.9					
4/11/2011	XX	DW109X8AJ	LF	274	8.5	9.6	134.04	101.64	32.4	278	1	2.3					
7/25/2011	XX	DW109X8EF	LF	204	8.9	12.9	134.04	98.34	35.7	197	1	5.7					
10/18/2011	XX	DW109X8CH	LF	178	8.6	10.8	134.04	100.98	33.06	362	1	3.6					
4/10/2012	XX	DW109X8J2	LF	761	7	9.4	134.04	101.04	33	352	0.6	3					
7/10/2012	XX	DW109X914	LF	790	7.2	10.9	134.04	101.36	32.68	22	0.6	5.6					
10/2/2012	XX	DW109X934	LF	805	7.3	10.6	134.04	100.29	33.75	168	1	9.2					
4/9/2013	XX	DW109X957	LF	798	7.1	8.2	134.04	101.04	33	149	1	1.8					
7/10/2013	XX	DW109X976	LF	877	7.1	10.2	134.04	101.04	33	314	1	7					

REPORT PREPARED: 6/5/2017 15:26

FOR: Pinetree Landfill

SUMMARY REPORT

Residential Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(DW04-109)

Date	Type	Sample ID	Collection Method -	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Water Level Reference Point Feet	Water Level Elevation Feet	Water Level Depth Feet	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/21/2013	XX	DW109X9B3	LF	449	7.8	9.8	134.04	100.94	33.1	129	1	4.8
4/29/2014	XX	DW109X9D9	LF	295	6.8	9.6	134.04	100.54	33.5	251	1	1.6
6/3/2014	XX	DW109N41793	LF	273	9.7	12.3				219	1	5.4
7/14/2014	XX	DW109X9FA	LF	656	7.3	13.1	134.04	100.94	33.1	123	1	2.6
9/29/2014	XX	DW109X9H7	LF	793	7.6	11.6	134.04	100.44	33.6	291	0.6	6.3
4/13/2015	XX	DW109XA34	LF	229	9.4	10.9	134.04	100.74	33.3	347	1.1	3.5
7/20/2015	XX	DW109XA5F	LF	251	9.1	17.2	134.04	100.39	33.65	180	1	4.2
10/19/2015	XX	DW109XA81	LF	215	8.8	8.7	134.04	99.44	34.6	301	0.8	2.4
4/25/2016	XX	DW109XA9C	LF	280	9.1	9.8	134.04	101.48	32.56	212	0.9	1.4
10/17/2016	XX	DW109XADB	LF	260	8.9	12.8	134.04	98.73	35.31	233	1.6	3.1
4/24/2017	XX	DW109XAFB	LF	217	9.1	9.5	134.04	100.52	33.52	245	2.9	3.3

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was Inaccessible

Sample collection notes:

LF - Low flow sample method used to collect the sample.

REPORT PREPARED: 6/5/2017 15:27

FOR: Pinetree Landfill

SUMMARY REPORT

Surface Water Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-A) Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU
SW-A								
4/28/2008	XX	SWXXAX6J7	86	8.3	13.6	261	4	0
7/22/2008	XX	SWXXAX71J	113	8	22.9	433	6	2.1
10/7/2008	XX	SWXXAX74A	99	7.9	12.3	350	6	0.8
4/21/2009	XX	SWXXAX771	74	8.1	9.7	90	6	0.4
7/21/2009	XX	SWXXAX79B	110	8.1	22.1	265	6	2.3
10/20/2009	XX	SWXXAX7E6	156	7	5.6	304	5	0.8
3/30/2010	XX	SWXXAX7GI	71	7.6	7	373	5	3.7
7/27/2010	XX	SWXXAX7J3	115	7.8	22.3	328	5	1.6
10/5/2010	XX	SWXXAX81A	131	7.9	14.1	278	5	0.4
4/12/2011	XX	SWXXAX8A1	86	7.5	8.2	242	5	3.5
7/26/2011	XX	SWXXAX8DH	107	7.8	20.3	472	6	2.3
10/18/2011	XX	SWXXAX8BJ	109	8.7	12.3	341	6	0.5
4/11/2012	XX	SWXXAX8I4	97	7.7	7.2	325	6	3.5
7/10/2012	XX	SWXXAX907	100	7.9	25.6	84	5	6.8
10/3/2012	XX	SWXXAX929	115	8	15.4	238	5	4
4/9/2013	XX	SWXXAX949	88	7.9	4.5	221	5	2.2
7/9/2013	XX	SWXXAX969	111	7.9	24.1	379	6	1.2
10/22/2013	XX	SWXXAX9A8	118	7.8	13.4	170	6	2.8
4/29/2014	XX	SWXXAX9CB	89	7.7	7.6	304	6	0.5
7/15/2014	XX	SWXXAX9ED	105	7.8	23.7	339	5	0.5
9/30/2014	XX	SWXXAX9GC	114	7.8	13.1	219	4	1.1
4/14/2015	XX	SWXXAXA26	91	7.1	2.2	337	11.4	1.8
7/21/2015	XX	SWXXAXA4A	126	7.8	22.2	332	4.9	1.2
10/20/2015	XX	SWXXAXA6G	104	8.2	8.1	369	9.7	2.3
4/26/2016	XX	SWXXAXA8H	100	8.7	9.5	265	8.1	1.6
10/18/2016	XX	SWXXAXACI	180	8.3	10.3	331	4.6	1.8
4/25/2017	XX	SWXXAXAEI	81	8.1	8	292	11.2	1.2
SW-C								
4/28/2008	XX	SWXXCX6J9	83	8.2	15.7	330	6	0.6
7/22/2008	XX	SWXXCX721	116	7.8	23.2	397	6	6.8
10/7/2008	XX	SWXXCX74C	98	8	11	361	6	1.2
4/21/2009	XX	SWXXCX773	86	8.3	10.8	234	6	4.1
7/21/2009	XX	SWXXCX79D	100	7.9	22.6	469	4	1.2
10/20/2009	XX	SWXXCX7E8	97	6.6	6.1	428	6	0.2
3/30/2010	XX	SWXXCX7H0	71	7.5	5.9	323	6	3.4
7/27/2010	XX	SWXXCX7J5	120	7.6	25.3	552	6	1.8
10/5/2010	XX	SWXXCX81C	134	8	12.7	283	6	0.3
4/12/2011	XX	SWXXCX8A2	87	7.1	6.6	427	5	2.5
7/26/2011	XX	SWXXCX8DI	114	7.9	20.1	350	5	2.7
10/18/2011	XX	SWXXCX8C0	112	8.4	12.9	334	6	1.7
4/11/2012	XX	SWXXCX8I5	100	7	8.1	305	8	2.3
7/10/2012	XX	SWXXCX908	109	7.5	23.3	201	8	9.3
10/3/2012	XX	SWXXCX92A	110	7.8	15.8	239	6	3.8
4/9/2013	XX	SWXXCX94A	110	6	4.6	-2	5	2.7
7/9/2013	XX	SWXXCX96A	104	7.9	23.7	227	6	0.6
10/22/2013	XX	SWXXCX9A9	140	7.5	13.4	175	5	1.2
4/29/2014	XX	SWXXCX9CC	66	7.6	8.4	270	6	0.9

SUMMARY REPORT

Surface Water Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU
(SW-C)								
7/15/2014	XX	SWXXCX9EE	123	7.9	23.8	303	5	0.8
9/30/2014	XX	SWXXCX9GD	145	7.4	12.6	343	6	1.3
4/14/2015	XX	SWXXCXA27	96	7.6	8.8	360	9.1	0.7
7/21/2015	XX	SWXXCXA4B	136	8	22.4	321	5.3	1.3
10/20/2015	XX	SWXXCXA6H	83	8.3	7.9	388	9.5	2.1
4/26/2016	XX	SWXXCXA8I	116	8.4	8.1	309	8.3	1.6
10/18/2016	XX	SWXXCXACJ	200	8.3	10.1	345	6.8	2.2
4/25/2017	XX	SWXXCXAEJ	71	7.6	8.2	369	9.9	0.8
SW-D								
4/28/2008	XX	SWXXDX6JA	393	7.8	13.1	324	5	0.6
7/22/2008	XX	SWXXDX722	305	7.6	20.9	388	5	6.4
10/7/2008	XX	SWXXDX74D	188	7.9	8.2	373	6	1.2
4/21/2009	XX	SWXXDX774	196	7.7	7.5	225	6	8.7
7/21/2009	XX	SWXXDX79E	605	8.1	14.6	445	6	1.9
10/20/2009	XX	SWXXDX7E9	302	7	4.6	303	5	0.8
3/30/2010	XX	SWXXDX7H1	146	7.8	4.8	182	6	8.1
7/27/2010	XX	SWXXDX7J6	581	7.8	15.6	298	5	2.2
10/5/2010	XX	SWXXDX81D	234	7.8	12.1	317	5	3.2
4/12/2011	XX	SWXXDX8A3	287	7.4	7.4	402	5	1.8
7/26/2011	XX	SWXXDX8DJ	550	7.7	13.8	460	4	1.2
10/18/2011	XX	SWXXDX8C1	292	8.3	11.3	306	6	1.2
4/11/2012	XX	SWXXDX8I6	289	7.9	5.7	341	6	4.6
7/10/2012	XX	SWXXDX909	657	7.8	16.2	96	6	8
10/3/2012	XX	SWXXDX92B	268	8.3	14.4	237	6	7.7
4/9/2013	XX	SWXXDX94B	332	6	2.8	170	6	6.4
7/9/2013	XX	SWXXDX96B	461	7.8	18.8	239	6	1
10/22/2013	XX	SWXXDX9AA	554	7.2	11.1	208	4	2.2
4/29/2014	XX	SWXXDX9CD	200	7.1	5.5	391	4	0.8
7/15/2014	XX	SWXXDX9EF	657	7.6	16.5	360	6	2.4
9/30/2014	XX	SWXXDX9GE	788	7.6	11	370	5	0.8
4/14/2015	XX	SWXXDXA28	197	7.3	2.4	294	10.2	0.9
7/21/2015	XX	SWXXDXA4C	705	7.7	18.3	365	6.7	1.2
10/20/2015	XX	SWXXDXA6I	406	7.8	5.7	404	9.1	1.8
4/26/2016	XX	SWXXDXA8J	553	8.2	4.7	351	9.9	1.8
10/18/2016	XX	SWXXDXAD0	890	7.5	9.8	285	5.1	2.1
4/25/2017	XX	SWXXDXAF0	368	7.7	5.8	309	11.9	1.1
SW-E								
4/28/2008	XX	SWXXEX6JB	519	8.3	15.8	364	5	0.8
7/22/2008	XX	SWXXEX723	508	7.7	18.2	385	6	2.2
10/7/2008	XX	SWXXEX74E	408	7.7	8.5	359	6	0.8
4/21/2009	XX	SWXXEX775	523	7.7	7.6	250	6	6.1
7/21/2009	XX	SWXXEX79F	618	7.9	14.8	436	6	5
10/20/2009	XX	SWXXEX7EA	692	7.9	3.9	318	4	0.6
3/30/2010	XX	SWXXEX7H2	180	7.6	7	142	6	7.6
7/27/2010	XX	SWXXEX7J7	709	7.7	15.8	352	6	2.6
10/5/2010	XX	SWXXEX81E	477	7.8	12.2	249	6	2.3
4/12/2011	XX	SWXXEX8A4	289	7.6	7.1	406	5	1.8
7/26/2011	XX	SWXXEX8E0	674	7.7	13.2	428	6	0.6

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FOR: Pinetree Landfill

SUMMARY REPORT

Surface Water Field Data

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-E)

Date	Type	Sample ID	Specific Conductance µmhos/cm @25°C	pH STU	Temperature Deg C	Eh mV	Dissolved Oxygen mg/L	Turbidity (field) NTU
10/18/2011	XX	SWXXEX8C2	469	7.9	10.8	385	6	1
4/11/2012	XX	SWXXEX8I7	420	8.1	5.3	351	8	4.6
7/10/2012	XX	SWXXEX90A	715	8.2	17.5	97	8	2.9
10/3/2012	XX	SWXXEX92C	415	8	13.8	229	6	6.2
4/9/2013	XX	SWXXEX94C	559	6.3	3.6	433	5	8.7
7/9/2013	XX	SWXXEX96C	737	7.9	14.8	244	6	0.8
10/22/2013	XX	SWXXEX9AB	693	7.7	11.7	193	6	2.1
4/29/2014	XX	SWXXEX9CE	527	6.8	6.2	366	5	0.7
7/15/2014	XX	SWXXEX9EG	806	7.9	15.4	337	5	1.4
9/30/2014	XX	SWXXEX9GF	826	7.9	11.2	321	5	1
4/14/2015	XX	SWXXEXA29	241	7.2	4.4	332	12.3	0.8
7/21/2015	XX	SWXXEXA4D	914	7.9	14.1	341	7.2	0.8
10/20/2015	XX	SWXXEXA6J	689	7.5	6.7	414	9.5	1.3
4/26/2016	XX	SWXXEXA90	827	8.1	4.9	357	10.3	1.8
10/18/2016	XX	SWXXEXAD1	721	7.8	9.6	332	8.6	2.2
4/25/2017	XX	SWXXEXAF1	529	7.8	6.3	305	11.9	1.3

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

SUMMARY REPORT
Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(200)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
200																	
4/30/2008	XX	GW200X700	UF LF		105.8		3.45		21.3	2.8		6.8	57.4				
4/30/2008	XD	GWDP1X6J0	UF LF		106		4.05		22	2.93		7.4	61.4				
7/22/2008	XX	GW200X72B	UF LF	0.023	82.9		6.11	0.009	13.9	2.2		7.7	49.2				
7/22/2008	XD	GWDP1X71C	UF LF	0.024	83.9		6.21	0.01	14.3	2.21		7.8	49.2				
10/7/2008	XX	GW200X753	UF LF		80.9		4.23		14.3	1.79		7.3	35.9				
10/7/2008	XD	GWDP1X743	UF LF		83.6		4.36		14.5	1.8		7.6	36.2				
4/21/2009	XX	GW200X77E	UF LF		91.3		3.14		16.4	2.15		4	15.2				
4/21/2009	XD	GWDP1X76E	UF LF		87.3		2.67		16.3	1.85		3.9	14.1				
7/22/2009	XX	GW200X7A3	UF LF	0.031	90.1		3.71	0.002 J	14.4	2.26		4.6	15.8				
7/22/2009	XD	GWDP1X794	UF LF	0.028	86.3		3.8	0.001 U	13.8	2.22		4.5	15.1				
10/20/2009	XX	GW200X7EJ	UF LF		109		4.26		17.1	2.48		5.9	23				
10/20/2009	XD	GWDP1X7DJ	UF LF		105		3.97		16.1	2.36		5.5	22				
3/31/2010	XX	GW200X7HB	UF LF		85.9		1.15		14.3	2.3		3	11.8				
3/31/2010	XD	GWDP1X7GB	UF LF		86.1		1.12		14.3	2.32		3.1	11.9				
7/27/2010	XX	GW200X7JF	UF LF	0.039	82.7		4.75	0.001 U	13.6	2.18		4.6	18.2				
7/27/2010	XD	GWDP1X7IG	UF LF	0.041	79.9		5.67	0.001 U	13.5	2.16		4.7	18.1				
10/5/2010	XX	GW200X823	UF LF		97.1		4.52		15.5	1.63		4.8	20.9				
10/5/2010	XD	GWDP1X813	UF LF		94.9		4.44		15	1.57		4.6	20.2				
4/12/2011	XX	GW200X89B	UF LF		83.5		0.53		14.9			3.1	10.3				
7/27/2011	XX	GW200X8D7	UF LF	0.048	73.2		5.75	0.002 J	12.5	1.81	0.002 U	4.5	13				
10/17/2011	XX	GW200X8B9	UF LF	0.045	86		4.92		12.9			4.5	14.7				
10/17/2011	XX	GW200X8FG	UF LF			0.003 U											
10/17/2011	XD	GWDP1X8FI	UF LF			0.003 U											
10/17/2011	XD	GWDP1X8BB	UF LF	0.046	87.6		5.14		12.5			4.7	15.1				
4/11/2012	XX	GW200X8HE	UF LF	0.028	83.8		3.81		13.9			3.6	20.9				
7/11/2012	XX	GW200X8JH	UF LF	0.027	92.8	0.01 U	2.7	0.003 U	14	1.41	0.005 U	3.6	19.6				
10/3/2012	XX	GW200X91J	UF LF	0.041	96.7		4.91		14			4.4	20.9				
10/3/2012	XD	GWDP1X921	UF LF	0.047	97.6		4.67		14.1			4.4	20.7				
4/10/2013	XX	GW200X93J	UF LF	0.033	69.2		3.12		11.4			3.7	9.9				
7/10/2013	XX	GW200X95J	UF LF	0.043	73.1	0.01 U	4.18	0.003 U	13	1.99	0.005 U	4.3	10.2				
10/23/2013	XX	GW200X99I	UF LF	0.052	73.8		4.8		12.3			4.7	9.9				
10/23/2013	XD	GWDP1X9A0	UF LF	0.05	76		4.87		12.5			4.4	10.8				
4/30/2014	XX	GW200X9C1	UF LF	0.038	60.9		5.26		8.2			3.1	5				
4/30/2014	XD	GWDP4X9DE	UF LF	0.037	63.8		5.48		8.6			3.3	5.5				
7/16/2014	XX	GW200X9E3	UF LF	0.061	70.8	0.01 U	7.29	0.004	10.3	1.46	0.005 U	4.3	9.9				
10/1/2014	XX	GW200X9G2	UF LF	0.058	77.3		6.18		10.2			4.1	7.8				
10/1/2014	XD	GWDP1X9G4	UF LF	0.061	78.3		6.47		10.2			4	7.9				
4/15/2015	XX	GW200XA1G	UF LF	0.05	71.7		9.46		9.4			3.3	9.3				
4/15/2015	XD	GWDP4XA38	UF LF	0.053	71.3		9.24		9.2			3.3	9.2				
7/22/2015	XX	GW200XA40	UF LF	0.042	78.3	0.01 U	5.7	0.003 U	9.3	1.54	0.005 U	3.7	8.5				
10/21/2015	XX	GW200XA66	UF LF	0.061	120		7.84		13			4.5	13.8				
10/21/2015	XD	GWDP1XA68	UF LF	0.061	112		7.77		13			4.5	14				
4/27/2016	XX	GW200XA67	UF LF	0.057	61		4.93		7.8			3.1	9.6				
4/27/2016	XD	GWDP1XA89	UF LF	0.056	63.6		5.22		7.7			3.2	9.6				
10/19/2016	XX	GW200XAC8	UF LF	0.035	90.1	0.01 U	6.96	0.003 U	11.4	1.5	0.005 U	4.7	18.1				
4/26/2017	XX	GW200XAE8	UF LF	0.025	54		5.2		7.3			3	6				
4/26/2017	XD	GWDP1XAEA	UF LF	0.029	52		6.3		7.2			3	5.8				

SUMMARY REPORT
Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(509B) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
509B																	
4/11/2011	XX	GW509B899	UF LF		102		0.08		21.2			5.9	38.8				
7/27/2011	XX	GW509B8D5	UF LF	0.021	82.3		0.09	0.001 U	11.3	0.02 U	0.002 U	1.7	22.9				
10/18/2011	XX	GW509B8FE	UF LF			0.008 J											
10/18/2011	XX	GW509B8B7	UF LF	0.024	114		0.04 J		21.3			6.5	40.4				
4/10/2012	XX	GW509B8HC	UF LF	0.013	81.7		0.04 J		18.6			4.9	35.1				
7/10/2012	XX	GW509B8JF	UF LF	0.009	84.5	0.01 U	0.05 U	0.003 U	21.9	6.5	0.005 U	6.7	41				
10/2/2012	XX	GW509B91H	UF LF	0.013	141		0.06		27.2			7.1	52.8				
4/9/2013	XX	GW509B93H	UF LF	0.013	79.2		0.09		20.7			5.3	43.3				
7/9/2013	XX	GW509B95H	UF LF	0.02	80.6	0.01 U	0.18	0.003 U	20.6	6.19	0.005 U	5.7	37.7				
10/22/2013	XX	GW509B99G	UF LF	0.022	99.6		0.11		22.5			6	43.4				
4/29/2014	XX	GW509B9BJ	UF LF	0.021	91.2		0.17		19.8			4.4	38.7				
7/15/2014	XX	GW509B9E1	UF LF	0.023	114	0.01 U	0.28	0.006	23.9	8.45	0.005 U	5.9	53.1				
9/30/2014	XX	GW509B9G0	UF LF	0.031	125		0.22		26.3			6.5	59.7				
4/14/2015	XX	GW509BA1E	UF LF	0.025	110		0.48		25			5.2	53.2				
7/21/2015	XX	GW509BA3I	UF LF	0.033	123	0.01 U	0.43	0.003 U	27.3	8.97	0.005 U	6.4	62.3				
10/20/2015	XX	GW509BA64	UF LF	0.029	94.8		0.2		22.5			5.7	55.6				
4/26/2016	XX	GW509BA85	UF LF	0.063	100		0.85		23.5			4.8	44.4				
10/18/2016	XX	GW509BAC6	UF LF	0.005 U	139	0.01 U	0.58	0.003 U	30.9	10.8	0.005 U	6.7	58.1				
4/25/2017	XX	GW509BAE6	UF LF	0.006	100		1.1		25			4.6	44				
516B-B																	
4/30/2008	XX	GW516B701	UF LF		128.6		0.1		24.5	0.44		3.9	73.3				
7/22/2008	XX	GW516B72C	UF LF	0.002 U	122.9		0.03 J	0.002 J	22.6	0.03 J		2.7	59.1				
10/7/2008	XX	GW516B754	UF LF		119.1		0.07		22.9	0.08		2.4	60.7				
4/22/2009	XX	GW516B77F	UF LF		106.8		0.02 J		22.3	0.45		2.3	65.5				
7/21/2009	XX	GW516B7A4	UF LF	0.004 J	114.3		0.07	0.003	23.1	0.22		2.3	70.6				
10/20/2009	XX	GW516B7F0	UF LF		116		0.03 J		21.7	0.25		2.4	64.9				
3/31/2010	XX	GW516B7HC	UF LF		114		0.02 U		20.7	0.26		2.3	59.7				
7/28/2010	XX	GW516B7JG	UF LF	0.019	108		0.02 U	0.001 U	20.1	0.03 J		2.4	55.5				
10/5/2010	XX	GW516B824	UF LF		108		0.02 U		21.3	0.1		2.2	50.4				
4/12/2011	XX	GW516B897	UF LF		112		0.02 J		22.1			2.5	56.3				
7/26/2011	XX	GW516B8D3	UF LF	0.025	136		0.02 U	0.001 U	27.1	0.06	0.002 U	3	69.1				
10/17/2011	XX	GW516B8B5	UF LF	0.019	115		0.05		20.4			2.4	52.1				
10/17/2011	XX	GW516B8FC	UF LF			0.003 U											
4/11/2012	XX	GW516B8HA	UF LF	0.012	110		0.05 U		21.5			2.6	59.4				
7/11/2012	XX	GW516B8JD	UF LF	0.008	119	0.01 U	0.05 U	0.003 U	23.8	0.05	0.005 U	2.5	57.6				
10/2/2012	XX	GW516B91F	UF LF	0.01	125		0.05 U		22.6			2.3	56.7				
4/9/2013	XX	GW516B93F	UF LF	0.008	109		0.09		24.3			3	65.5				
7/9/2013	XX	GW516B95F	UF LF	0.024	112	0.01 U	0.53	0.003 U	24.2	0.61	0.005	2.9	62.5				
10/22/2013	XX	GW516B99E	UF LF	0.021	125		0.33		23.5			2.5	56.8				
4/30/2014	XX	GW516B9BH	UF LF	0.031	122		1.09		21.7			2.7	84.2				
7/15/2014	XX	GW516B9DJ	UF LF	0.033	118	0.01 U	1.11	0.003 U	21.2	2.16	0.005 U	2.5	61.9				
9/30/2014	XX	GW516B9FI	UF LF	0.033	120		1.21		21.8			2.4	58.1				
4/14/2015	XX	GW516BA1C	UF LF	0.038	125		1.66		22.7			3.1	63.2				
7/20/2015	XX	GW516BA3G	UF LF	0.035	131	0.01 U	0.56	0.003 U	25	2.49	0.005 U	3.2	77.2				
10/20/2015	XX	GW516BA62	UF LF	0.037	126		1.16		21.1			2.6	56.1				
4/26/2016	XX	GW516BA83	UF LF	0.062	122		1.18		22.3			2.7	62.8				
10/18/2016	XX	GW516BAC4	UF LF	0.015	125	0.01 U	1.83	0.003 U	23.5	1.94	0.005 U	3	70.8				

SUMMARY REPORT
Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(516B-B) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
4/25/2017	XX	GW516BAE4	UF LF	0.016	120		2		24			2.6	66				
641																	
4/29/2008	XX	GW641X708	UF LF	0.005 J	181.4	0.119	1.71		46.5	8.46	0.153	41	146.8				
7/21/2008	XX	GW641X72J	UF LF	0.05	186.8	0.066	11.28	0.003 J	46.8	7.57	0.095	36.4	149.9				
10/7/2008	XX	GW641X75B	UF LF	0.049	167	0.006 J	22.56		44	4.7	0.03	44.6	171				
4/20/2009	XX	GW641X782	UF LF	0.103	217	0.007 J	21.51		49.8	4.17	0.03	40.3	213				
7/20/2009	XX	GW641X7AB	UF LF	0.031	234	0.015	21.65	0.003	52.5	4.67	0.032	39	214				
10/20/2009	XX	GW641X7F7	UF LF	0.082	251	0.01	17.3		55.7	3.76	0.055	57.5	336				
3/29/2010	XX	GW641X7HJ	UF LF	0.041	148	0.005 J	12.5		52.7	2.62	0.036	39.2	184				
7/27/2010	XX	GW641X803	UF LF	0.056	155	0.011	9.72	0.001 U	39.7	4.81	0.016	25.6	86.1				
10/5/2010	XX	GW641X82B	UF LF	0.077	175	0.017	11.5		37.1	4.97	0.02	24.5	77.2				
4/13/2011	XX	GW641X89C	UF LF		128		14.3		48.3			34.6	132				
7/26/2011	XX	GW641X8D8	UF LF	0.026	179		15.8	0.001 J	43.9	5.74	0.013	21.9	71.8				
10/19/2011	XX	GW641X8FH	UF LF			0.006 J											
10/19/2011	XX	GW641X8BA	UF LF	0.102	147		13.2		34.2			20.4	62.8				
4/10/2012	XX	GW641X8HF	UF LF	0.022	106		3.19		29.5			16.5	56.2				
7/10/2012	XX	GW641X8JI	UF LF	0.038	89.2	0.01 U	4.58	0.003 U	28.2	1.94	0.005 U	17.1	51.7				
10/1/2012	XX	GW641X920	UF LF	0.052	218		17.8		57.4			61.5	402				
11/7/2012	XX	GW641X93E	UF LF	0.062	126		10.8		48.6			32.3	164				
4/9/2013	XX	GW641X940	UF LF	0.053	92.2		10.7		60.1			32.5	159				
7/9/2013	XX	GW641X960	UF LF	0.044	82.5	0.019	2.16	0.003 U	22.7	2.41	0.012	13.3	37				
10/21/2013	XX	GW641X99J	UF LF	0.07	161		13.4		34.3			16.1	51.2				
4/30/2014	XX	GW641X9C2	UF LF	0.032	141		5.45		26.2			10.7	61.5				
7/16/2014	XX	GW641X9E4	UF LF	0.062	114	0.01 U	7.83	0.004	23.2	3.93	0.005 U	12.3	45.7				
10/1/2014	XX	GW641X9G3	UF LF	0.072	113		9.61		22			10	36				
4/15/2015	XX	GW641XA1H	UF LF	0.054	86.4		5.19		30			14.9	67.5				
7/22/2015	XX	GW641XA41	UF LF	0.036	94.9	0.013	1.59	0.003 U	18.5	1.38	0.019	11	56.3				
10/20/2015	XX	GW641XA67	UF LF	0.043	91.3		2.34		16.8			11.9	53.7				
4/26/2016	XX	GW641XA88	UF LF	0.067	89		3.11		26.2			12.9	53.1				
10/19/2016	XX	GW641XAC9	UF LF	0.013	101	0.01 U	5.42	0.003 U	18.4	1.74	0.005 U	8.7	32.5				
4/25/2017	XX	GW641XAE9	UF LF	0.021	85		3.6		28			12	46				
MW02-801A																	
4/30/2008	XX	GW801A709	UF LF	0.06	252	0.028	11.4		133	9.7	0.185	98	464				
4/30/2008	XD	GWDP4X6JI	UF LF	0.056	238	0.027	10.7		126	9.2	0.177	90.3	438				
7/22/2008	XX	GW801A730	UF LF	0.053	240	0.03	10.3	0.024	128.8	8.44	0.194	92.8	409				
7/22/2008	XD	GWDP2X71D	UF LF	0.064	222	0.029	11.26	0.025	132.1	7.55	0.211	99.5	427				
10/8/2008	XX	GW801A75C	UF LF	0.051	206	0.021	9.9		127	7.2	0.198	94	450				
10/8/2008	XD	GWDP4X751	UF LF	0.054	232	0.023	9.3		128.9	7.3	0.201	89	434				
4/22/2009	XX	GW801A783	UF LF	0.063	263	0.023	9.83		120.9	7.5	0.183	90.3	546				
4/22/2009	XD	GWDP4X77C	UF LF	0.064	240	0.022	10.25		121.4	6.55	0.185	96.3	571				
7/22/2009	XX	GW801A7AC	UF LF	0.073	191	0.02	7.21	0.002 J	110.1	6.87	0.183	82.6	321				
7/22/2009	XD	GWDP2X795	UF LF	0.078	199	0.02	7.73	0.001 J	115.3	7.11	0.181	88.9	332				
10/21/2009	XX	GW801A7F8	UF LF	0.105	238	0.025	11.2		130	7.12	0.203	106	515				
10/21/2009	XD	GWDP4X7EH	UF LF	0.108	257	0.026	10.7		125	7.72	0.192	95.1	500				
3/30/2010	XX	GW801A7I0	UF LF	0.133	172	0.021	6.31		101	5.83	0.183	78.7	360				
3/30/2010	XD	GWDP4X7H9	UF LF	0.13	172	0.021	8.71		105	5.94	0.184	83.6	366				
7/28/2010	XX	GW801A804	UF LF	0.118	163	0.022	6.43	0.005	97.9	4.96	0.192	80.3	366				
7/28/2010	XD	GWDP2X7IH	UF LF	0.12	172	0.023	6.81	0.004	104	5.44	0.194	83.9	365				

SUMMARY REPORT
Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
(MW02-801A)																	
10/4/2010	XX	GW801A82C	UF LF	0.174	179	0.024	12.5		119	5.82	0.21	99.1	412				
10/4/2010	XD	GWDP4X821	UF LF	0.168	178	0.022	12.9		124	6.68	0.198	97.1	387				
4/11/2011	XX	GW801A89F	UF LF		152		4.17		96			87.4	399				
7/25/2011	XX	GW801A8DB	UF LF	0.052	133		6.61	0.008	89.7	3.93	0.152	90.2	300				
10/17/2011	XX	GW801A8BD	UF LF	0.154	135		11.2		88			91.9	361				
10/17/2011	XX	GW801A8G0	UF LF			0.016											
4/9/2012	XX	GW801A8HI	UF LF	0.069	126		7.69		94.2			97.4	379				
7/9/2012	XX	GW801A901	UF LF	0.082	122	0.05 U	8.6	0.015 U	100	3.3	0.153	97	443				
10/3/2012	XX	GW801A923	UF LF	0.122	151		8.74		98.2			97.5	385				
4/9/2013	XX	GW801A943	UF LF	0.076	146		8.53		114			124	453				
7/8/2013	XX	GW801A963	UF LF	0.141	123	0.018	4.76	0.016	90.9	3.65	0.149	91	366				
10/21/2013	XX	GW801A9A2	UF LF	0.126	126		5.37		94.9			98.5	380				
4/28/2014	XX	GW801A9C5	UF LF	0.089	133		7.61		81.4			82.6	345				
7/14/2014	XX	GW801A9E7	UF LF	0.164	113	0.015	8.66	0.019	70.8	2.9	0.161	81	353				
9/29/2014	XX	GW801A9G6	UF LF	0.205	103		8.56		74.6			80.2	351				
4/13/2015	XX	GW801AA20	UF LF	0.17	107		7.71		64			77.8	350				
7/20/2015	XX	GW801AA44	UF LF	0.183	119	0.011	9.58	0.004	77	2.86	0.119	89.9	304				
10/19/2015	XX	GW801AA6A	UF LF	0.159	101		7.69		68.4			73.2	290				
4/25/2016	XX	GW801AA8B	UF LF	0.256	96.4		8.44		62.2			72.6	237				
10/17/2016	XX	GW801AACC	UF LF	0.034	108	0.01 U	5.15	0.003 U	71.8	2.59	0.114	77.1	265				
4/24/2017	XX	GW801AAEC	UF LF	0.11	97		8		72			86	270				
MW03-802A																	
4/29/2008	XX	GW802A70A	UF LF		87.6		8.8		50.8	1.25		4.3	38.2				
7/22/2008	XX	GW802A731	UF LF	0.013	93.7		8.88	0.013	50.5	1.23		4.6	37.4				
10/6/2008	XX	GW802A75D	UF LF		93.9		7.3		54.5	1.06		4.7	38				
4/21/2009	XX	GW802A784	UF LF		94.4		7.08		56.9	1.43		4	34.9				
7/21/2009	XX	GW802A7AD	UF LF	0.002 U	102.4		9.51	0.003	49.9	1.6		4.6	40.9				
10/19/2009	XX	GW802A7F9	UF LF		102		8.4		53	1.45		5.1	38.5				
3/30/2010	XX	GW802A7I1	UF LF		93.2		5.91		52.8	1.31		4.2	31.7				
7/26/2010	XX	GW802A805	UF LF	0.042	90.7		6.09	0.003	54	1.34		4.2	32.3				
10/4/2010	XX	GW802A82D	UF LF		99		7.7		56.6	1.33		5	36.1				
4/11/2011	XX	GW802A89G	UF LF		82.1		7.91		48.6			4.2	28.6				
4/11/2011	XD	GWDP1X89D	UF LF		81.6		9.12		39.5			4.1	23				
7/26/2011	XX	GW802A8DC	UF LF		105		5.2		40.9			3.8	23.6				
10/17/2011	XX	GW802A8BE	UF LF	0.033	101		3.39		38.1			3.3	24.2				
4/9/2012	XX	GW802A8HJ	UF LF	0.029	84.5		4.26		42.8			3.9	26.5				
4/9/2012	XD	GWDP1X8HG	UF LF	0.03	83.8		4.28		43			3.9	26.2				
7/9/2012	XX	GW802A902	UF LF	0.029	102		8.41		42.5			4.5	24.5				
10/1/2012	XX	GW802A924	UF LF	0.031	106		12		34.9			3.9	19.8				
4/8/2013	XX	GW802A944	UF LF	0.03	73.9		18.4		27.3			3	24.7				
4/8/2013	XD	GWDP1X941	UF LF	0.03	82.4		17.7		29.8			3	27.4				
7/8/2013	XX	GW802A964	UF LF	0.061	85.9		14.7		40.3			3.4	30.8				
7/8/2013	XD	GWDP4X97B	UF LF	0.065	89.4		16.4		35			3.8	27				
10/21/2013	XX	GW802A9A3	UF LF	0.046	90.6		12.1		42.2			3.4	28.9				
4/28/2014	XX	GW802A9C6	UF LF	0.05	90.6		12.3		28.7			2.9	21.6				
4/28/2014	XD	GWDP1X9C3	UF LF	0.051	91.8		10.4		26.3			2.9	19.5				
7/14/2014	XX	GW802A9E8	UF LF	0.042	105		7.93		21.5			1.9	15.3				
7/14/2014	XD	GWDP4X9FF	UF LF	0.038	107		7.89		21.8			2	15.1				
9/29/2014	XX	GW802A9G7	UF LF	0.056	104		9.74		29.9			2.8	21.3				

SEVEE & MAHER ENGINEERS, INC.
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CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
(MW03-802A)																	
4/13/2015	XX	GW802AA21	UF LF	0.024	97.9		0.4		14.5			1.3	10.5				
4/13/2015	XD	GWDP1XA1I	UF LF	0.023	105		0.44		14.2			1.3	10				
7/20/2015	XX	GW802AA45	UF LF	0.034	104		0.62		17.1			1.7	11.5				
7/20/2015	XD	GWDP4XA5C	UF LF	0.033	121		1.29		20.6			2.1	13.5				
10/20/2015	XX	GW802AA6B	UF LF	0.038	108		2.25		22			1.9	15				
4/25/2016	XX	GW802AA8C	UF LF	0.034	69.8		0.05		10.7			1.2	10.8				
10/17/2016	XX	GW802AACD	UF LF	0.005 U	66.9	0.01 U	0.05 U	0.003 U	9.2	0.05 U	0.005 U	0.9	12.3				
4/24/2017	XX	GW802AAED	UF LF	0.01	99		0.46		25			2.8	25				
MW03-802B																	
4/29/2008	XX	GW802B6JD	UF LF		149		2.28		43.8	27.2		2.2	23.9				
7/22/2008	XX	GW802B725	UF LF	0.006	189.4		4.29	0.008	41.7	35.68		2.1	24				
10/6/2008	XX	GW802B74G	UF LF		171.7		3.24		40.3	27.93		1.8	15.4				
4/21/2009	XX	GW802B777	UF LF		134		1.67		44.6	23.75		1.9	22.2				
7/21/2009	XX	GW802B79H	UF LF	0.002 U	118		1.54	0.003	48.6	14.2		2.1	21.3				
10/19/2009	XX	GW802B7EC	UF LF		120		4.88		31.1	47.1		1.9	22				
3/30/2010	XX	GW802B7H4	UF LF		103		1.62		42.9	14.5		1.9	21.2				
7/26/2010	XX	GW802B7J9	UF LF	0.058	149		9.28	0.009	36.7	36.3		6	21.7				
10/4/2010	XX	GW802B81G	UF LF		107		5.79		34	39.1		1.9	30.3				
7/14/2014	XX	GW802B9F5	UF LF														
4/25/2016	XX	GW802BA97	UF LF	0.146	111	0.023	25.1	0.009	48.7	22.3	0.005 U	2	23				
10/17/2016	XX	GW802BAD6	UF LF	0.058	138	0.01 U	23.6	0.003 U	51.1	8.87	0.029	13.1	71.3				
4/24/2017	XX	GW802BAF6	UF LF	0.006	140	0.019	1.7	0.003 U	57	5	0.005 U	3.1	41				
MW03-803A																	
4/29/2008	XX	GW803A6JE	UF LF		149.2		0.18		37.5	6.4		2.5	12.8				
7/22/2008	XX	GW803A726	UF LF	0.009	113.4		0.03 J	0.001 U	29	1.4		2	9.2				
10/6/2008	XX	GW803A74H	UF LF		136.2		0.09		32.8	6.58		2.3	11.5				
4/21/2009	XX	GW803A778	UF LF		151.4		0.13		38.3	9.5		2	12.2				
7/21/2009	XX	GW803A79I	UF LF	0.002 U	102.6		0.08	0.003	32.3	2.05		1.8	10.1				
10/19/2009	XX	GW803A7ED	UF LF		225		0.05		50.7	21.1		2.9	18.1				
3/30/2010	XX	GW803A7H5	UF LF		97		0.02 U		28.8	2.4		1.9	10.4				
7/26/2010	XX	GW803A7JA	UF LF	0.047	169		0.03 J	0.002 J	36.2	6.15		2	11.7				
10/4/2010	XX	GW803A81H	UF LF		174		0.02 U		40.5	4.72		2.2	13.3				
4/25/2016	XX	GW803AA98	UF LF	0.031	151	0.014	0.05	0.003 U	60.8	1.65	0.017	2.9	29.7				
7/27/2016	XX	GW803AABB	UF LF	0.048	172	0.025	0.05 U	0.003 U	49.8	3.13	0.009	2.5	19.2				
10/17/2016	XX	GW803AAD7	UF LF	0.009	222	0.011	0.05 U	0.003 U	58.1	2.29	0.009	2.7	22				
4/24/2017	XX	GW803AAF7	UF LF	0.011	180	0.02	0.05 U	0.003 U	75	2	0.02	3.3	42				
MW03-803B																	
4/29/2008	XX	GW803B6JF	UF LF		206		1.17		27.6	31		1.6	24.6				
7/22/2008	XX	GW803B727	UF LF	0.002 U	230		0.38	0.004	35.7	28.42		1.8	18.7				
10/6/2008	XX	GW803B74I	UF LF		195.5		3.71		27.7	37.34		1.6	23.1				
10/6/2008	XD	GWDP2X744	UF LF		196.7		3.65		27.2	36.5		1.5	22.5				
4/21/2009	XX	GW803B779	UF LF		264		0.48		28.4	48.4		1.2	22.6				
7/21/2009	XX	GW803B79J	UF LF	0.026	186		1.76	0.004	29	37.7		1.4	25.2				
10/19/2009	XX	GW803B7EE	UF LF		261		0.85		36.4	37.8		2.1	20.9				
3/30/2010	XX	GW803B7H6	UF LF		147		4.83		17.9	47.5		1.2	18.4				
7/26/2010	XX	GW803B7JB	UF LF	0.055	227		0.61	0.005	34.9	33.5		1.6	18.8				
10/4/2010	XX	GW803B81I	UF LF		211		4.52		35.6	51.8		1.7	19.7				
4/11/2011	XX	GW803B89H	UF LF		172		1.76		27.8			1.4	18.9				

SUMMARY REPORT
Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
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Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
(MW03-803B)																	
7/26/2011	XX	GW803B8DD	UF LF	0.118	197		1.39	0.001 U	32.1	43	0.045	1.4	18.5				
10/17/2011	XX	GW803B8BF	UF LF	0.109	199		6.98		28.3			1.5	19.7				
10/17/2011	XX	GW803B8G2	UF LF			0.12											
4/9/2012	XX	GW803B8I0	UF LF	0.062	168		5.72		29.2			1.3	19.8				
7/9/2012	XX	GW803B903	UF LF	0.062	178	0.122	8.4	0.009	33.9	61	0.034	1.5	20.1				
10/1/2012	XX	GW803B925	UF LF	0.055	224		1.04		35.6			1.6	17.7				
4/8/2013	XX	GW803B945	UF LF	0.077	197		9.95		32.3			1.4	21.8				
7/8/2013	XX	GW803B965	UF LF	0.113	176	0.147	16.2	0.014	33.9	70.4	0.022	1.5	18.5				
10/21/2013	XX	GW803B9A4	UF LF	0.082	220		2.21		42.2			1.9	19.4				
4/28/2014	XX	GW803B9C7	UF LF	0.107	172		22.1		30.9			1.4	18.6				
7/14/2014	XX	GW803B9E9	UF LF	0.121	196	0.104	11	0.02	33.7	48.4	0.02	1.4	19.3				
9/29/2014	XX	GW803B9G8	UF LF	0.088	238		1.58		39.7			1.9	18.9				
4/13/2015	XX	GW803BA22	UF LF	0.077	180		8.01		34.8			1.6	18				
7/20/2015	XX	GW803BA46	UF LF	0.087	181	0.077	0.93	0.004	37.6	34.1	0.016	1.7	18.2				
10/19/2015	XX	GW803BA6C	UF LF	0.068	204		2.53		39.6			1.9	16.7				
4/25/2016	XX	GW803BA8D	UF LF	0.181	172		10.1		36.8			1.5	18.6				
7/27/2016	XX	GW803BAAI	UF LF	0.092	204		3.12		37.9			1.6	17.4				
10/17/2016	XX	GW803BACE	UF LF	0.007	223	0.057	1.26	0.003 U	46.9	22.8	0.016	2	18.7				
10/17/2016	XD	GWDP1XACA	UF LF	0.005	216	0.056	1.2	0.003 U	46.6	22.4	0.014	2	18.7				
4/24/2017	XX	GW803BAEE	UF LF	0.051	180		15		42			1.7	23				
MW-906B																	
4/29/2008	XX	GW906B70D	UF LF	0.003 U	59	0.003 U	0.12		7.7	1.24	0.003 U	1.8	61.9				
7/22/2008	XX	GW906B734	UF LF	0.002 U	55.1	0.003 U	0.18	0.001 J	7.2	1.37	0.002 U	1.3	55.4				
10/6/2008	XX	GW906B75G	UF LF	0.002 U	51.6	0.003 U	0.08		6.9	1.29	0.002 J	1.5	52.9				
4/20/2009	XX	GW906B787	UF LF	0.002 U	59.6	0.003 U	0.06		7.9	1.49	0.002 U	1.2	48				
7/22/2009	XX	GW906B7AG	UF LF	0.003 J	52.5	0.003 U	0.14	0.002 J	7	1.51	0.002 U	1	43.4				
10/19/2009	XX	GW906B7FC	UF LF	0.004 J	59.9	0.003 U	0.1		8	1.34	0.002 J	1.3	59.7				
3/29/2010	XX	GW906B7I4	UF LF	0.007	59	0.003 U	0.05		7.6	1.37	0.002 U	1.2	45.8				
7/26/2010	XX	GW906B808	UF LF	0.014	57.5	0.005 J	1.46	0.002 J	7.6	1.84	0.002 J	1.2	62				
10/4/2010	XX	GW906B82G	UF LF	0.017	51	0.003 U	0.14		7.8	0.82	0.002 U	1.3	75				
4/11/2011	XX	GW906B89J	UF LF		56		0.06		7.5			1.2	41.3				
7/25/2011	XX	GW906B8DF	UF LF	0.016	50.7		0.05	0.003	7.3	1.17	0.002 U	1.2	45.2				
10/17/2011	XX	GW906B8G4	UF LF			0.003 U											
10/17/2011	XX	GW906B8BH	UF LF	0.004 J	51.6		0.06		6.5			1.1	38.5				
4/9/2012	XX	GW906B8I2	UF LF	0.009	47.4		0.02 J		7.1			1.1	39.3				
7/9/2012	XX	GW906B905	UF LF	0.005 U	53.2	0.01 U	0.05 U	0.003 U	8.4	1.98	0.005 U	1.3	45.6				
10/2/2012	XX	GW906B927	UF LF	0.006	45.4		0.05 U		6.3			1.1	48.2				
4/8/2013	XX	GW906B947	UF LF	0.007	54.9		0.05 U		8.1			1.3	42.6				
7/9/2013	XX	GW906B967	UF LF	0.016	47.8	0.01 U	0.05 U	0.003 U	8	1.83	0.005 U	1.3	37.8				
10/22/2013	XX	GW906B9A6	UF LF	0.005 U	57.6		0.22		8.3			1.2	38				
4/28/2014	XX	GW906B9C9	UF LF	0.005 U	55.8		0.1		7.5			1.2	35.8				
7/15/2014	XX	GW906B9EB	UF LF	0.012	49.8	0.01 U	0.05 U	0.003 U	6.8	1.26	0.005 U	1.1	34.3				
9/30/2014	XX	GW906B9GA	UF LF	0.005	43.7		0.18		6.5			1.1	43.3				
4/14/2015	XX	GW906BA24	UF LF	0.005	57.5		0.23		8.1			1.3	36.5				
7/21/2015	XX	GW906BA48	UF LF	0.023	56.5	0.01 U	0.05 U	0.003 U	7.7	0.86	0.005 U	1.2	34.5				
10/19/2015	XX	GW906BA6E	UF LF	0.007	44.1		0.2		6.5			1.3	42.2				
4/25/2016	XX	GW906BA8F	UF LF	0.026	46.9		0.05 U		6.5			1	27.1				
10/17/2016	XX	GW906BACG	UF LF	0.005 U	43.7	0.01 U	0.05 U	0.003 U	6.8	0.55	0.005 U	1.1	39.5				
4/25/2017	XX	GW906BAEG	UF LF	0.008	45		0.05 U		6.9			1	27				

SUMMARY REPORT
Groundwater Metals

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CUMBERLAND CENTER, ME 04021

(MW-916) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
MW-916																	
4/30/2008	XX	GW916X70H	UF LF		167.8		29.3		86.3	4.91		2.6	9.8				
7/21/2008	XX	GW916X738	UF LF	0.072	184.5		32.61	0.005 J	71.7	4.88		2.1	7.6				
10/7/2008	XX	GW916X760	UF LF		114.5		6.37		26.7	2.62		1.4	4.8				
4/20/2009	XX	GW916X78B	UF LF		151.4		24.83		50.2	4.76		2	5.8				
7/21/2009	XX	GW916X7B0	UF LF	0.006	87.4		9.27	0.009	23.5	1.42		2.6	3.4				
10/20/2009	XX	GW916X7FG	UF LF		173		17.4		46.5	3.01		3.2	7.8				
3/31/2010	XX	GW916X7I8	UF LF		31.4		1.1		8.2	0.06		1.3	1.5				
3/31/2010	XD	GWDP2X7GC	UF LF		33.3		1.45		8.8	0.08		1.4	1.6				
7/27/2010	XX	GW916X80C	UF LF	0.04	105		6.63	0.001 J	42.3	1.82		2	6.4				
10/5/2010	XX	GW916X830	UF LF		152		18.6		93.4	3.89		2.4	8.7				
4/12/2011	XX	GW916X89A	UF LF		122		2.86		51.5			2.7	5.7				
7/26/2011	XX	GW916X8D6	UF LF	0.031	118		5.15	0.001 U	47.9	2.73	0.016	2	6.1				
10/18/2011	XX	GW916X8B8	UF LF	0.023	80		0.64		25.4			2.2	3.8				
10/18/2011	XX	GW916X8FF	UF LF			0.003 J											
4/10/2012	XX	GW916X8HD	UF LF	0.021	131		4.16		59.1			2.4	7.4				
7/10/2012	XX	GW916X8JG	UF LF	0.012	84.8	0.01 U	0.33	0.003 U	35.5	0.52	0.005 U	1.9	5.4				
10/2/2012	XX	GW916X91I	UF LF	0.036	106		1.5		49.9			1.9	5.6				
4/8/2013	XX	GW916X93I	UF LF	0.035	111		1.44		66.8			2.5	7.2				
7/9/2013	XX	GW916X95I	UF LF	0.05	105	0.011	1.87	0.004	61.7	1.85	0.005 U	2.5	6.8				
10/22/2013	XX	GW916X99H	UF LF	0.007	93.2		5.31		44.6			2.4	8.8				
4/29/2014	XX	GW916X9C0	UF LF	0.033	84.5		0.96		35.8			2.1	5				
7/15/2014	XX	GW916X9E2	UF LF	0.053	105	0.01 U	1.35	0.006	45.3	1.52	0.006	2.2	6.6				
9/30/2014	XX	GW916X9G1	UF LF	0.016	106		3.44		49.6			2.4	7.4				
4/29/2015	XX	GW916XA1F	UF LF	0.005 U	43		0.87		14.9			1.3	2.5				
7/21/2015	XX	GW916XA3J	UF LF	0.032	97.9	0.01 U	2.15	0.003 U	44.6	1.01	0.005 U	2.5	7.6				
10/20/2015	XX	GW916XA65	UF LF	0.011	70.4		1.06		32.5			7.7	4.7				
4/26/2016	XX	GW916XA86	UF LF	0.008	73.3		2.25		29			3.3	5.2				
10/18/2016	XX	GW916XAC7	UF LF	0.005 U	83.4	0.01 U	0.83	0.003 U	35.5	0.24	0.005 U	3.5	5.8				
4/25/2017	XX	GW916XAE7	UF LF	0.01	76		0.85		27			1.6	4.4				
MW-917																	
4/30/2008	XX	GW917X70I	UF LF	0.117	169.6	0.008 J	26.6		129	1.68	0.003 U	3.5	11.7				
7/21/2008	XX	GW917X739	UF LF	0.142	173.3	0.022	38.29	0.005 J	114.9	1.64	0.003 U	3.1	10.8				
10/7/2008	XX	GW917X761	UF LF	0.116	142	0.013	31.4		97.8	1.32	0.002 J	2.9	9.5				
4/20/2009	XX	GW917X78C	UF LF	0.184	153.2	0.015	42.12		100.7	1.29	0.004 J	2.7	9.1				
7/21/2009	XX	GW917X7B1	UF LF	0.101	144.2	0.008 J	31.54	0.002 J	89.8	1.27	0.002 J	2.9	9.8				
10/20/2009	XX	GW917X7FH	UF LF	0.182	151	0.011	38.4		100	1.1	0.002 J	3	9.7				
3/31/2010	XX	GW917X7I9	UF LF	0.093	135	0.013	29		94.5	0.98	0.002 U	2.7	9.5				
7/27/2010	XX	GW917X80D	UF LF	0.175	120	0.009 J	24.7	0.002 J	80.5	0.79	0.002 U	2.6	8.7				
10/5/2010	XX	GW917X831	UF LF	0.189	128	0.006 J	25.6		81.7	0.73	0.002 U	2.6	9.2				
4/12/2011	XX	GW917X89I	UF LF		111		20.3		80.4			2.7	8.8				
7/26/2011	XX	GW917X8DE	UF LF	0.092	109		14.7	0.001 U	81.9	0.6	0.004 J	2.6	9.6				
10/18/2011	XX	GW917X8BG	UF LF	0.173	127		18.1		81.1			2.8	8.9				
10/18/2011	XX	GW917X8G3	UF LF			0.003 U											
4/10/2012	XX	GW917X8I1	UF LF	0.16	121		14.9		80.1			2.7	8.9				
7/10/2012	XX	GW917X904	UF LF	0.11	112	0.01 U	15.9	0.003 U	85.8	0.67	0.005 U	3	9.5				
10/2/2012	XX	GW917X926	UF LF	0.161	127		14.2		81.6			2.6	8.7				
4/8/2013	XX	GW917X946	UF LF	0.13	106		14.3		87.1			3.2	10.8				

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW-917) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
7/9/2013	XX	GW917X966	UF LF	0.142	100	0.01 U	11.5	0.007	79.4	0.85	0.005 U	2.8	8.8				
10/22/2013	XX	GW917X9A5	UF LF	0.157	113		11.1		75.7			2.5	8.5				
4/29/2014	XX	GW917X9C8	UF LF	0.164	109		9.87		68.6			2.5	8.2				
7/15/2014	XX	GW917X9EA	UF LF	0.162	103	0.01 U	10	0.004	65.1	0.82	0.005 U	2.7	11.8				
9/30/2014	XX	GW917X9G9	UF LF	0.147	103		8.97		64			2.4	8.1				
4/14/2015	XX	GW917XA23	UF LF	0.143	102		8.21		62.2			2.5	8.3				
7/21/2015	XX	GW917XA47	UF LF	0.153	106	0.01 U	8.96	0.003 U	64.2	0.79	0.005 U	2.7	8.4				
10/20/2015	XX	GW917XA6D	UF LF	0.129	94.8		7.81		58.1			2.3	7.5				
4/26/2016	XX	GW917XA8E	UF LF	0.185	91.3		7.12		56.8			2.4	7.5				
10/18/2016	XX	GW917XACF	UF LF	0.104	111	0.01 U	7.75	0.003 U	68.4	0.91	0.005 U	2.9	8.8				
4/25/2017	XX	GW917XAEF	UF LF	0.1	93		7.7		58			2.4	8.2				
MW97-123																	
4/28/2008	XX	GW123X6JJ	UF LF	0.004 J	169	0.003 U	1.29		43.2	2.33	0.005 J	3.6	77.1				
7/21/2008	XX	GW123X72A	UF LF	0.004 J	145.5	0.003 U	2.55	0.003 U	37.1	2.17	0.007 J	3.7	64.5				
10/6/2008	XX	GW123X752	UF LF	0.01	150.2	0.003 J	2.89		43.6	1.71	0.01	5.9	66.8				
4/20/2009	XX	GW123X77D	UF LF	0.004 J	174.7	0.003 U	0.45		42.7	2.21	0.013	3.3	74.8				
7/20/2009	XX	GW123X7A2	UF LF	0.002 U	177.4	0.003 U	1.25	0.001 U	44.7	2.28	0.012	3.6	78.9				
10/19/2009	XX	GW123X7EI	UF LF	0.017	108	0.003 U	2.45		27.1	1.81	0.007	4.3	43.5				
3/31/2010	XX	GW123X7HA	UF LF	0.004 J	180	0.003 U	0.16		47.9	2.49	0.011	3.5	79.9				
7/27/2010	XX	GW123X7JE	UF LF	0.026	100	0.003 U	1.77	0.001 U	27.3	1.75	0.004 J	3.6	38.1				
10/5/2010	XX	GW123X822	UF LF	0.029	174	0.003 U	0.47		45.5	2.18	0.007	3.8	75.6				
4/12/2011	XX	GW123X898	UF LF		180		0.22		55.8			4.4	96.3				
7/26/2011	XX	GW123X8D4	UF LF	0.046	181		0.98	0.001 U	58.9	2.81	0.01	4.4	98				
7/26/2011	XD	GWDP1X8D9	UF LF	0.042	177		1.05	0.002 J	59.1	2.82	0.012	4.4	98.8				
10/18/2011	XX	GW123X8FD	UF LF			0.003 U											
10/18/2011	XX	GW123X8B6	UF LF	0.025	192		0.21		52.7			4.1	93.5				
4/10/2012	XX	GW123X8HB	UF LF	0.012	168		0.18		54.4			4.4	102				
7/11/2012	XX	GW123X8JE	UF LF	0.015	177	0.01 U	1.2	0.004	56.6	3.24	0.007	4.3	105				
7/11/2012	XD	GWDP1X8JJ	UF LF	0.016	180	0.01 U	1.23	0.003 U	57.3	3.19	0.006	4.4	107				
10/2/2012	XX	GW123X91G	UF LF	0.024	186		0.39		54.3			4.3	95.5				
4/10/2013	XX	GW123X93G	UF LF	0.024	161		0.95		52.9			4.6	105				
7/9/2013	XX	GW123X95G	UF LF	0.008	158	0.01 U	4.96	0.003	59	3.31	0.013	5	109				
7/9/2013	XD	GWDP1X961	UF LF	0.008	150	0.01 U	4.6	0.003 U	57.4	3.3	0.014	5.5	108				
10/23/2013	XX	GW123X99F	UF LF	0.03	158		0.53		53.1			4.9	102				
4/30/2014	XX	GW123X9BI	UF LF	0.019	149		1.35		44.9			3.8	115				
7/16/2014	XX	GW123X9E0	UF LF	0.032	139	0.01 U	3.35	0.004	42.2	2.65	0.006	4.1	90.7				
7/16/2014	XD	GWDP1X9E5	UF LF	0.034	130	0.01 U	3.14	0.003	40.2	2.47	0.006	3.9	84.2				
10/1/2014	XX	GW123X9FJ	UF LF	0.033	152		1.56		45.3			3.8	84				
4/15/2015	XX	GW123XA1D	UF LF	0.009	35.3		9.38		29.9			3.5	66.1				
7/22/2015	XX	GW123XA3H	UF LF	0.008	44.2	0.01 U	9.13	0.003 U	30.6	0.71	0.005 U	3.2	67.6				
7/22/2015	XD	GWDP1XA42	UF LF	0.009	42.7	0.01 U	9.37	0.003 U	30.8	0.71	0.005 U	3.4	69.1				
10/21/2015	XX	GW123XA63	UF LF	0.032	137		2.21		35.8			3.3	71.7				
4/27/2016	XX	GW123XA84	UF LF	0.078	130		0.78		41.9			3.8	84.1				
10/19/2016	XX	GW123XAC5	UF LF	0.007	88.9	0.01 U	1.84	0.003 U	26.3	1.87	0.005 U	3.5	37.3				
4/26/2017	XX	GW123XAE5	UF LF	0.011	130		1.1		44			4.1	90				
P-914A																	
4/28/2008	XX	GW914A70F	UF LF	0.003 J	110.8	0.003 J	0.06		27.4	1.95	0.003 U	1.7	22.9				
7/21/2008	XX	GW914A736	UF LF	0.003 U	103.4	0.003 J	0.06	0.003 U	26.5	2.04	0.003 U	1.5	22.2				

SUMMARY REPORT

Groundwater Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-914A)

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
10/7/2008	XX	GW914A75I	UF LF	0.005	101.8	0.003 J	0.12		23.6	1.91	0.004 J	1.5	22.7				
4/20/2009	XX	GW914A789	UF LF	0.004 J	107.5	0.003 U	0.05		25	2.06	0.004 J	1.3	21.4				
7/20/2009	XX	GW914A7AI	UF LF	0.002 U	101	0.003 J	0.2	0.001 U	25.7	1.65	0.004 J	1.4	21				
10/19/2009	XX	GW914A7FE	UF LF	0.013	98.5	0.003 U	0.1		23.7	1.8	0.003 J	1.4	21.9				
3/29/2010	XX	GW914A7I6	UF LF	0.016	96.9	0.003 U	0.04 J		23.7	1.54	0.002 U	1.3	20.1				
7/28/2010	XX	GW914A80A	UF LF	0.019	86.1	0.003 U	0.02 U	0.003	22.5	1.5	0.002 U	1.2	20.4				
10/5/2010	XX	GW914A82I	UF LF	0.014	79.1	0.003 J	0.02 U		21.6	1.49	0.002 U	1.2	20.6				
4/13/2011	XX	GW914A8A0	UF LF		86.4		0.02 U		24.8			1.4	20.1				
7/26/2011	XX	GW914A8DG	UF LF	0.026	86		0.02 U	0.001 U	22.5	1.21	0.002 J	1.2	19.6				
10/18/2011	XX	GW914A8BI	UF LF	0.016	96.4		0.02 J		22.9			1.3	19.8				
10/18/2011	XX	GW914A8G5	UF LF			0.003 J											
4/11/2012	XX	GW914A8I3	UF LF	0.008	91.2		0.05 U		24.1			1.3	21.2				
7/10/2012	XX	GW914A906	UF LF	0.01	95.7	0.01 U	0.05 U	0.003 U	27.5	1.31	0.005 U	1.5	23.4				
10/2/2012	XX	GW914A928	UF LF	0.014	96.4		0.05 U		23			1.3	22.7				
4/10/2013	XX	GW914A948	UF LF	0.013	94.4		0.05 U		24.5			1.4	23.1				
7/8/2013	XX	GW914A968	UF LF	0.025	90.2	0.01 U	0.05 U	0.003 U	27.1	1.38	0.006	2	22.4				
10/22/2013	XX	GW914A9A7	UF LF	0.023	93.4		0.05 U		25.8			1.4	23.5				
4/28/2014	XX	GW914A9CA	UF LF	0.02	96.4		0.05 U		23.3			1.3	21.7				
7/14/2014	XX	GW914A9EC	UF LF	0.027	96	0.01 U	0.05 U	0.003 U	23.8	1.52	0.007	1.3	23.2				
9/29/2014	XX	GW914A9GB	UF LF	0.018	91.9		0.05 U		23			1.3	23				
4/13/2015	XX	GW914AA25	UF LF	0.016	97.8		0.05 U		22.9			1.3	22.7				
7/20/2015	XX	GW914AA49	UF LF	0.021	102	0.01 U	0.05 U	0.003 U	25.4	1.67	0.005 U	1.4	24				
10/19/2015	XX	GW914AA6F	UF LF	0.023	88.7		0.05 U		22.7			1.3	23.6				
4/25/2016	XX	GW914AA8G	UF LF	0.05	104		0.05 U		25.7			1.4	22.8				
10/17/2016	XX	GW914AACH	UF LF	0.005 U	91.6	0.01 U	0.05 U	0.003 U	23.2	2.04	0.005 U	1.4	27.7				
4/24/2017	XX	GW914AAEH	UF LF	0.005 U	92		0.05 U		28			1.4	26				

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

SUMMARY REPORT

Surface Water Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-A)			Filtration	Arsenic	Calcium	Cobalt	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Sodium				
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
Date	Type	Sample ID															
SW-A																	
4/28/2008	XX	SWXXAX6J7	UF		6.4		0.14		1.3	0.02 J		0.5	5.6				
7/22/2008	XX	SWXXAX71J	UF		10.4		0.25		2.2	0.08		0.6	7.3				
10/7/2008	XX	SWXXAX74A	UF		9.3		0.37		2.1	0.04 J		0.9	6.3				
4/21/2009	XX	SWXXAX771	UF		6.2		0.11		1.5	0.02 U		0.5	5.2				
7/21/2009	XX	SWXXAX79B	UF		9.5		0.46		2	0.05		0.4	5.7				
10/20/2009	XX	SWXXAX7E6	UF		11.6		0.29		2.5	0.03 J		1	7.3				
3/30/2010	XX	SWXXAX7GI	UF		5.4		0.13		1.2	0.02 U		0.5	4.4				
7/27/2010	XX	SWXXAX7J3	UF		10.4		0.11		2.4	0.04 J		0.4	6.6				
10/5/2010	XX	SWXXAX81A	UF		10.5		0.19		2.6	0.05		1	7.7				
4/12/2011	XX	SWXXAX8A1	UF		5.5		0.12		1.3			0.5	5.3				
7/26/2011	XX	SWXXAX8DH	UF	0.004 J	10.4		0.17	0.0001 U	2.4	0.06	0.002 J	0.3	6.9				
10/18/2011	XX	SWXXAX8G6	UF			0.003 U											
10/18/2011	XX	SWXXAX8BJ	UF	0.002 J	9.5		0.34		2			0.9	5.6				
4/11/2012	XX	SWXXAX8I4	UF	0.003 J	7.5		0.13		1.8			0.6	5.8				
7/10/2012	XX	SWXXAX907	UF	0.005 U	8.4	0.01 U	0.35	0.0003 U	2	0.05	0.005 U	0.4	6				
10/3/2012	XX	SWXXAX929	UF	0.005 U	9.4		0.31		2.1			0.8	6.4				
4/9/2013	XX	SWXXAX949	UF	0.005 U	6.4		0.11		1.7			0.7	6.2				
7/9/2013	XX	SWXXAX969	UF	0.005	9.4	0.01 U	0.34	0.0003 U	2.3	0.05 U	0.005 U	0.4	6.1				
10/22/2013	XX	SWXXAX9A8	UF	0.005 U	11		0.26		2.6			0.8	7.1				
4/29/2014	XX	SWXXAX9CB	UF	0.005 U	6.2		0.11		1.4			1	6.6				
7/15/2014	XX	SWXXAX9ED	UF	0.005 U	9.8	0.01 U	0.33	0.0003 U	2	0.05	0.005 U	0.4	6.7				
9/30/2014	XX	SWXXAX9GC	UF	0.008	10.5		0.33		2.3			1.4	7.5				
4/14/2015	XX	SWXXAXA26	UF	0.005 U	7		0.22		1.6			0.7	6.1				
7/21/2015	XX	SWXXAXA4A	UF	0.012	11.8	0.01 U	0.2	0.0003 U	2.7	0.05 U	0.005 U	1.5	10.6				
10/20/2015	XX	SWXXAXA6G	UF	0.013	9.8		0.39		2.2			1.3	8.4				
4/26/2016	XX	SWXXAXA8H	UF	0.01	8.1		0.12		1.7			0.5	5.9				
10/18/2016	XX	SWXXAXACI	UF	0.005 U	17.3		0.11		4	0.1		1.3	11				
4/25/2017	XX	SWXXAXAEI	UF	0.006	5.1		0.11		1.3			0.4	5.5				
SW-C																	
4/28/2008	XX	SWXXCX6J9	UF		6.7		0.16		1.5	0.03 J		0.5	5.6				
7/22/2008	XX	SWXXCX721	UF		10.9		0.38		2.4	0.09		0.6	7.4				
10/7/2008	XX	SWXXCX74C	UF		8.3		0.37		2.1	0.05		0.9	6.1				
4/21/2009	XX	SWXXCX773	UF		6.4		0.13		1.5	0.02 J		0.4	5.1				
7/21/2009	XX	SWXXCX79D	UF		9.6		0.46		2	0.06		0.4	5.7				
10/20/2009	XX	SWXXCX7E8	UF		12.7		0.32		2.9	0.06		1.1	7.9				
3/30/2010	XX	SWXXCX7H0	UF		5.5		0.13		1.2	0.02 U		0.5	4.3				
7/27/2010	XX	SWXXCX7J5	UF		10.8		0.14		2.6	0.07		0.5	6.5				
10/5/2010	XX	SWXXCX81C	UF		11.2		0.19		2.6	0.04 J		0.9	7.6				
4/12/2011	XX	SWXXCX8A2	UF		5.4		0.11		1.3			0.5	5.2				
7/26/2011	XX	SWXXCX8DI	UF	0.006	11.9		0.19	0.0002 J	2.3	0.07	0.002 U	0.4	6.8				
10/18/2011	XX	SWXXCX8C0	UF	0.002 U	9.6		0.33		2			0.8	5.7				
10/18/2011	XX	SWXXCX8G7	UF			0.003 U											
10/18/2011	XD	SWDP2X8BC	UF	0.002 U	10		0.35		2			0.9	5.7				
10/18/2011	XD	SWDP2X8FJ	UF			0.003 U											
4/11/2012	XX	SWXXCX8I5	UF	0.002 J	8		0.14		1.8			0.6	6.2				
7/10/2012	XX	SWXXCX908	UF	0.005 U	7.9	0.01 U	0.35	0.0003 U	2	0.05	0.005 U	0.4	6				
10/3/2012	XX	SWXXCX92A	UF	0.005 U	9.4		0.31		2.2			0.8	6.3				

SUMMARY REPORT
Surface Water Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-C) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L
10/3/2012	XD	SWDP2X922	UF	0.005 U	9.8		0.32		2.3			0.9	6.5
4/9/2013	XX	SWXXCX94A	UF	0.005 U	6.6		0.11		1.8			0.7	6.3
7/9/2013	XX	SWXXCX96A	UF	0.005	9.1	0.01 U	1.36	0.0003 U	2.4	0.08	0.005 U	0.5	6.1
10/22/2013	XX	SWXXCX9A9	UF	0.005	10.2		0.24		2.5			0.8	6.9
10/22/2013	XD	SWDP2X9A1	UF	0.005	10.6		0.26		2.6			0.8	6.6
4/29/2014	XX	SWXXCX9CC	UF	0.005 U	6.4		0.11		1.4			0.8	6.1
7/15/2014	XX	SWXXCX9EE	UF	0.005 U	9.7	0.01 U	0.28	0.0003 U	2	0.05 U	0.005 U	0.4	6.7
9/30/2014	XX	SWXXCX9GD	UF	0.005	12.1		0.34		2.6			1.4	7.6
9/30/2014	XD	SWDP2X9G5	UF	0.007	11.7		0.34		2.5			1.2	7.2
4/14/2015	XX	SWXXCXA27	UF	0.006	6.8		0.19		1.6			0.7	6.2
7/21/2015	XX	SWXXCXA4B	UF	0.013	12.4	0.01 U	0.19	0.0003 U	2.8	0.05	0.005 U	0.8	9.3
10/20/2015	XX	SWXXCXA6H	UF	0.006	10.5		0.29		2.1			1	7.6
10/20/2015	XD	SWDP2XA69	UF	0.008	10.6		0.28		2.1			1	7.1
4/26/2016	XX	SWXXCXA8I	UF	0.011	8.4		0.12		1.8			0.5	6.1
10/18/2016	XX	SWXXCXACJ	UF	0.005 U	20.2		0.16		4.5	0.1		1.2	9.9
4/25/2017	XX	SWXXCXAEJ	UF	0.009	5.6		0.11		1.3			0.4	5.5
SW-D													
4/28/2008	XX	SWXXDX6JA	UF		43.9		0.2		7.1	0.08		1.3	29.9
4/28/2008	XD	SWDP3X6J4	UF		41.5		0.23		6.7	0.07		1.3	28.9
7/22/2008	XX	SWXXDX722	UF		24.1		0.45		5.9	0.02 J		2.2	24.8
10/7/2008	XX	SWXXDX74D	UF		16.5		0.34		4.2	0.02 J		1	18.5
10/7/2008	XD	SWDP3X747	UF		16.8		0.39		4.5	0.02 J		1.1	18.9
4/21/2009	XX	SWXXDX774	UF		18.5		0.46		5.1	0.06		0.7	16
7/21/2009	XX	SWXXDX79E	UF		28.6		0.68		7	0.08		0.7	18.4
10/20/2009	XX	SWXXDX7E9	UF		22.8		0.46		5.9	0.04 J		1.8	19.2
3/30/2010	XX	SWXXDX7H1	UF		13.7		2.11		3	0.08		1.2	18.7
3/30/2010	XD	SWDP3X7GF	UF		19.1		1.24		3.2	0.07		1.2	27.9
7/27/2010	XX	SWXXDX7J6	UF		76.6		0.02 J		9.9	0.07		1.7	40.9
10/5/2010	XX	SWXXDX81D	UF		15.3		0.54		3.8	0.02 J		1.4	20.4
10/5/2010	XD	SWDP3X817	UF		15.9		0.59		4.1	0.02 J		1.4	21.4
4/12/2011	XX	SWXXDX8A3	UF		16.3		0.28		3.1			0.9	26.1
4/12/2011	XD	SWDP2X89E	UF		17.7		0.25		3.7			0.9	28.1
7/26/2011	XX	SWXXDX8DJ	UF	0.011	62.4		0.13	0.0003	10.1	0.12	0.002 U	1.4	36.9
10/18/2011	XX	SWXXDX8C1	UF	0.002 U	26.5		0.38		5.2			1.6	18
10/18/2011	XX	SWXXDX8G8	UF			0.003 U							
4/11/2012	XX	SWXXDX8I6	UF	0.003 J	22.8		0.19		5.7			1	25.7
4/11/2012	XD	SWDP2X8HH	UF	0.003 J	26		0.18		5.8			1.1	26.7
7/10/2012	XX	SWXXDX909	UF	0.005 U	73.3	0.01 U	0.08	0.0003 U	11.6	0.14	0.005 U	2	49.8
10/3/2012	XX	SWXXDX92B	UF	0.005 U	21.5		0.33		4.9			1.8	22.7
4/9/2013	XX	SWXXDX94B	UF	0.005 U	17.3		0.79		5.2			1.4	38.8
4/9/2013	XD	SWDP2X942	UF	0.005 U	18.2		0.68		5.2			1.4	49.9
7/9/2013	XX	SWXXDX96B	UF	0.01	36.5	0.01 U	0.47	0.0003 U	10.9	0.17	0.005 U	1.9	39.2
10/22/2013	XX	SWXXDX9AA	UF	0.009	53.2		0.17		12			2.7	40.9
4/29/2014	XX	SWXXDX9CD	UF	0.005 U	19.5		0.23		5.2			2.4	30.8
4/29/2014	XD	SWDP2X9C4	UF	0.005 U	20.1		0.22		5.1			2.3	31.4
7/15/2014	XX	SWXXDX9EF	UF	0.01	66.1	0.01 U	0.2	0.0003 U	10	0.17	0.005 U	4.6	51.8
9/30/2014	XX	SWXXDX9GE	UF	0.005 U	101		0.05 U		11.9			2.3	50.7
4/14/2015	XX	SWXXDXA28	UF	0.005	9.4		0.38		2.3			1.1	18.8
4/14/2015	XD	SWDP2XA1J	UF	0.006	9		0.39		2.3			1.1	18.2

SUMMARY REPORT

Surface Water Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L
(SW-D)													
7/21/2015	XX	SWXXDXA4C	UF	0.012	52.7	0.01 U	0.2	0.0003	13.1	0.08	0.005 U	6.6	81.4
10/20/2015	XX	SWXXDXA6I	UF	0.011	31.7		0.28		7.1			3.1	36.8
4/26/2016	XD	SWDP2XA8A	UF	0.014	35		0.31		9.2			2.3	54.5
4/26/2016	XX	SWXXDXA8J	UF	0.014	34.5		0.29		8.7			2.3	54.1
10/18/2016	XD	SWDP2XACB	UF	0.005 U	111		0.24		13.9	0.19		2.3	65.4
10/18/2016	XX	SWXXDXAD0	UF	0.005 U	109		0.26		13.7	0.14		2.2	62.8
4/25/2017	XD	SWDP2XAEB	UF	0.007	19		0.23		5			1.4	48
4/25/2017	XX	SWXXDXAF0	UF	0.005 U	19		0.21		4.8			1.4	45
SW-E													
4/28/2008	XX	SWXXEX6JB	UF		58.5		0.25		9.4	0.17		1.8	38.5
7/22/2008	XX	SWXXEX723	UF		56.7		0.33		9	0.12		2.2	35.2
10/7/2008	XX	SWXXEX74E	UF		48.6		0.27		8.3	0.13		1.6	30.5
4/21/2009	XX	SWXXEX775	UF		62.6		0.5		10.7	0.35		1.7	37.1
7/21/2009	XX	SWXXEX79F	UF		75.9		0.31		11.5	0.35		1.9	38.3
10/20/2009	XX	SWXXEX7EA	UF		55.6		0.35		9.8	0.15		2.3	31.1
3/30/2010	XX	SWXXEX7H2	UF		12.3		1.74		2.9	0.08		1.1	14.1
7/27/2010	XX	SWXXEX7J7	UF		84.8		0.24		13.1	0.27		2.2	40.7
10/5/2010	XX	SWXXEX81E	UF		44.5		0.3		7.2	0.1		1.6	28.2
4/12/2011	XX	SWXXEX8A4	UF		20.6		0.26		4.3			1	22.9
7/26/2011	XX	SWXXEX8E0	UF	0.014	82.2		0.18	0.0001 J	12.2	0.22	0.002 U	2.2	44.3
7/26/2011	XD	SWDP2X8DA	UF	0.016	81.7		0.17	0.0001 J	12.3	0.22	0.002 U	2.2	45
10/18/2011	XX	SWXXEX8C2	UF	0.011	48.8		0.28		7.6			1.8	24.5
10/18/2011	XX	SWXXEX8G9	UF			0.003 U							
4/11/2012	XX	SWXXEX8I7	UF	0.006	40.2		0.23		7.8			1.4	30.9
7/10/2012	XX	SWXXEX90A	UF	0.005 U	94.3	0.01 U	0.15	0.0003 U	13.5	0.23	0.005 U	2.5	51
7/10/2012	XD	SWDP2X900	UF	0.005 U	88.3	0.01 U	0.16	0.0003 U	14.9	0.24	0.005 U	2.7	57.1
10/3/2012	XX	SWXXEX92C	UF	0.005	42.8		0.29		7.1			1.9	29.4
4/9/2013	XX	SWXXEX94C	UF	0.005 U	35.6		0.88		7.1			2	79.8
7/9/2013	XX	SWXXEX96C	UF	0.005 U	79.9	0.01 U	0.31	0.0003 U	13.8	0.29	0.005 U	2.6	52.2
7/9/2013	XD	SWDP2X962	UF	0.005 U	80.5	0.01 U	0.29	0.0003 U	14.5	0.28	0.005 U	2.5	56.6
10/22/2013	XX	SWXXEX9AB	UF	0.005 U	92.4		0.16		15.1			2.8	53.1
4/29/2014	XX	SWXXEX9CE	UF	0.008	46.2		0.21		8.1			2.3	42.6
7/15/2014	XX	SWXXEX9EG	UF	0.019	88.1	0.01 U	0.22	0.0003 U	12.6	0.26	0.005 U	2.9	59.2
7/15/2014	XD	SWDP2X9E6	UF	0.017	86	0.01 U	0.22	0.0003 U	12.1	0.26	0.005 U	2.8	58.3
9/30/2014	XX	SWXXEX9GF	UF	0.018	97.4		0.09		13.4			2.8	57.1
4/14/2015	XX	SWXXEXA29	UF	0.007	16.2		0.37		3.1			1.2	24.2
7/21/2015	XX	SWXXEXA4D	UF	0.017	106	0.01 U	0.12	0.0003 U	14.8	0.22	0.005 U	3.3	85.3
7/21/2015	XD	SWDP2XA43	UF	0.017	103	0.01 U	0.12	0.0003 U	14.9	0.23	0.005 U	3.2	84
10/20/2015	XX	SWXXEXA6J	UF	0.02	76.9		0.14		10.6			2.7	47.6
4/26/2016	XX	SWXXEXA90	UF	0.03	83.3		0.17		12.3			2.2	59.8
10/18/2016	XX	SWXXEXAD1	UF	0.005 U	109		0.16		15.2	0.2		2.6	65.7
4/25/2017	XX	SWXXEXAF1	UF	0.008	41		0.38		7.7			1.7	55

SUMMARY REPORT

Surface Water Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-E)			Filtration	Arsenic	Calcium	Cobalt	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Sodium
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Type	Sample ID											

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

Sample collection notes:

UF - No analytical parameters were field filtered

REPORT PREPARED: 6/5/2017 15:40

FOR: Pinetree Landfill

SUMMARY REPORT

Leachate Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LCS-3C) Date	Type	Sample ID	Filtration -	Arsenic mg/L	Calcium mg/L	Cobalt mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Nickel mg/L	Potassium mg/L	Sodium mg/L				
LCS-3C																	
7/27/2011	XX	LTL3CX8E3	UF	0.239	522		22	0.029	303	1.1	0.175	1736	4252				
7/27/2011	XD	LTDP4X8F0	UF	0.249	541		22	0.025	306	1.2	0.178	1737	4228				
10/18/2011	XX	LTXXXX8GC	UF			0.016 J											
7/9/2012	XX	LTL3CX90D	UF	0.36	489	0.1 U	23.4	0.03 U	198	1.8	0.06	1289	3321				
7/9/2012	XD	LTDP4X919	UF	0.44	455	0.1 U	23.4	0.03 U	260	1.4	0.08	1807	3864				
7/8/2013	XX	LTL3CX96F	UF	0.554	320	0.05 U	18.1	0.015 U	348	0.4	0.096	2383	6638				
7/15/2014	XX	LTL3CX9EJ	UF	0.532	302	0.028	7.42	0.003 U	227	0.54	0.101	1752	5083				
7/21/2015	XX	LTL3CXA4G	UF	0.66	459	0.1 U	8	0.03 U	376	3 U	0.14	2668	7005				
4/27/2016	XX	LTLCSXA92	UF	0.51	184		8.05		154			1737	4560				
10/18/2016	XX	LTLCSXAD3	UF	0.581	179	0.05 U	5.5	0.015 U	192	0.4	0.119	2087	5874				
4/26/2017	XX	LTLCSXAF3	UF	0.35	150		8.2		190			2116	5700				
PDPS																	
4/30/2008	XX	LTPDPX6J3	UF		113		9.62		76.4	1.03		427	1482				
7/23/2008	XX	LTPDPX71F	UF	0.207	128.6		18.72	0.029	98.5	1.29		179.7	605				
10/8/2008	XX	LTPDPX746	UF		141		10.4		72	2.5		167	631				
4/22/2009	XX	LTPDPX76H	UF		93		11.9		86	0.7		155	598				
7/21/2009	XX	LTPDPX797	UF	0.126	104		7	0.005 U	76	0.9		170	659				
10/21/2009	XX	LTPDPX7E2	UF		101		13.1		85	0.7		193	716				
3/30/2010	XX	LTPDPX7GE	UF		129		9.38		55.2	2.22		83.9	287				
7/26/2010	XX	LTPDPX7IJ	UF	0.294	86.4		11.5	0.009	92.4	0.19		237	891				
10/6/2010	XX	LTPDPX816	UF		109		4		68	0.9		113	438				
4/12/2011	XX	LTPDPX8A5	UF		112		7.5		52			102	373				
4/12/2011	XD	LTDP4X8B4	UF		105		6.4		54.2			104	355				
7/26/2011	XX	LTPDPX8E1	UF	0.171	83.8		4.63	0.004	93.9	0.19	0.244	181	726				
10/18/2011	XX	LTPDPX8GA	UF			0.012											
10/18/2011	XX	LTPDPX8C3	UF	0.15	119		12.8		48			66	238				
4/10/2012	XX	LTPDPX8I8	UF	0.11	113		3.8		72			120	419				
4/10/2012	XD	LTDP4X8J7	UF	0.107	105		3.2		69			104	395				
7/9/2012	XX	LTPDPX90B	UF	0.211	87	0.05 U	8.8	0.015 U	71	0.8	0.105	132	533				
10/2/2012	XX	LTPDPX92D	UF	0.103	149		6		72			93	324				
4/9/2013	XX	LTPDPX94D	UF	0.13	100		7.2		65			83.4	244				
4/9/2013	XD	LTDP4X95C	UF	0.111	91		6.52		59.2			76.6	244				
7/10/2013	XX	LTPDPX96D	UF	0.394	94	0.05 U	21.3	0.015 U	79	0.8	0.09	104	401				
10/23/2013	XX	LTPDPX9AC	UF	0.546	103		38.9		79.9			123	418				
4/29/2014	XX	LTPDPX9CF	UF	0.55	73.8		9.27		65.4			238	985				
7/15/2014	XX	LTPDPX9EH	UF	0.17	89.4	0.01 U	6.37	0.003 U	49.8	0.76	0.072	65.4	233				
9/30/2014	XX	LTPDPX9GG	UF	0.377	81.3		8.61		78.2			141	542				
1/20/2015	XX	LTPDPX9J5	FILT	0.128													
1/20/2015	XX	LTPDPX9I8	UF	0.135													
4/15/2015	XX	LTPDPXA2A	UF	0.112	84.1		2.16		26.6			32.7	118				
7/21/2015	XX	LTPDPXA4E	UF	0.198	98.8	0.01 U	4.03	0.003 U	72.2	0.54	0.102	113	435				
10/20/2015	XX	LTPDPXA70	UF	0.212	95.7		3.16		60.9			101	415				
4/27/2016	XX	LTPDPXA91	UF	0.521	92.7		23.5		26.9			39.7	171				
10/18/2016	XX	LTPDPXAD2	UF	0.648	83.6	0.045	21.1	0.005	54.5	0.84	0.303	209	1254				
4/26/2017	XX	LTPDPXAF2	UF	0.29	85		11		26			34.1	130				

SUMMARY REPORT

Leachate Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(PDPS)			Filtration	Arsenic	Calcium	Cobalt	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Sodium
			-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Type	Sample ID											

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.
U - Not Detected above the laboratory reporting limit.

Sample collection notes:

FILT - One or more analytical parameters were field filtered.
UF - No analytical parameters were field filtered

SUMMARY REPORT

Surface Water Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-A) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
SW-A							
4/28/2008	XX	SWXXAX6J7		2.4	21	5	10.6
7/22/2008	XX	SWXXAX71J		3.1	27	9.1	9.8
10/7/2008	XX	SWXXAX74A		5.8	23	18	10
4/21/2009	XX	SWXXAX771		2	17.9	6.2	8
7/21/2009	XX	SWXXAX79B		1.2 J	32	10.2	8.6
10/20/2009	XX	SWXXAX7E6		2.2	37	6.2	10.7
3/30/2010	XX	SWXXAX7GI		2.4	16.6	4.2	6.8
7/27/2010	XX	SWXXAX7J3		1 J	36	6.9	7.9
10/5/2010	XX	SWXXAX81A		1.9 J	30	9.2	10
4/12/2011	XX	SWXXAX8A1	60	1.9 J	15.4	4.5	7.6
7/26/2011	XX	SWXXAX8DH	99	1.1 J	37	7	9.7
10/18/2011	XX	SWXXAX8BJ	99	1.3 J	29	11.1	8.7
4/11/2012	XX	SWXXAX8I4	68	3.3	23	5.8	9.5
7/10/2012	XX	SWXXAX907	71	2 U	28	9.6	6.8
10/3/2012	XX	SWXXAX929	89	3.2	29	10.3	9.3
4/9/2013	XX	SWXXAX949	48	2.9	20	4.1	8.4
7/9/2013	XX	SWXXAX969	78	2 U	33	8.3	7.7
10/22/2013	XX	SWXXAX9A8	95	2.4	35	8.9	9
4/29/2014	XX	SWXXAX9CB	50	3.6	20	4.5	9.7
7/15/2014	XX	SWXXAX9ED	70	2 U	35	9.2	9.6
9/30/2014	XX	SWXXAX9GC	100	2 U	38	8.1	10.4
4/14/2015	XX	SWXXAXA26	68	3.1	22	4	18.1
7/21/2015	XX	SWXXAXA4A	87	2 U	35	7	14.5
10/20/2015	XX	SWXXAXA6G	85	3.4	29	9.7	15.8
4/26/2016	XX	SWXXAXA8H	66	2.6	26	4.9	13.1
10/18/2016	XX	SWXXAXACI	118	2 U	49	9.1	22.7
4/25/2017	XX	SWXXAXAEI	48	10 U	20	5.9	11
SW-C							
4/28/2008	XX	SWXXCX6J9		2.5	21	5.3	10.8
7/22/2008	XX	SWXXCX721		3.4	33	9.5	10.2
10/7/2008	XX	SWXXCX74C		2.4	28	13.6	9.9
4/21/2009	XX	SWXXCX773		1.7 J	18.9	5.1	8.5
7/21/2009	XX	SWXXCX79D		1.4 J	32	10.2	8.4
10/20/2009	XX	SWXXCX7E8		2.4	39	6.5	10.6
3/30/2010	XX	SWXXCX7H0		2.4	16.6	4.7	6.6
7/27/2010	XX	SWXXCX7J5		1.4 J	38	6.4	8.4
10/5/2010	XX	SWXXCX81C		2.5	33	9.2	10.2
4/12/2011	XX	SWXXCX8A2	56	2	15.5	4.4	7.8
7/26/2011	XX	SWXXCX8DI	94	1.9 J	37	6.8	10
10/18/2011	XX	SWXXCX8C0	80	1.5 J	29	11.3	8.6
10/18/2011	XD	SWDP2X8BC	75	1.4 J	28	10.9	8.3
4/11/2012	XX	SWXXCX8I5	72	3.5	25	4.7	9.6
7/10/2012	XX	SWXXCX908	72	2 U	28	8.5	7
10/3/2012	XX	SWXXCX92A	88	3.3	30	10.4	8.7
10/3/2012	XD	SWDP2X922	80	3.3	30	12	8.9
4/9/2013	XX	SWXXCX94A	54	3	21	4.1	8.3
7/9/2013	XX	SWXXCX96A	73	2 U	34	8.3	8

SUMMARY REPORT
Surface Water Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
(SW-C)							
10/22/2013	XX	SWXXCX9A9	83	2 U	35	8.9	8.7
10/22/2013	XD	SWDP2X9A1	84	2 U	35	9	8.8
4/29/2014	XX	SWXXCX9CC	57	3.6	21	4.5	9.8
7/15/2014	XX	SWXXCX9EE	70	2 U	34	9.7	9.5
9/30/2014	XX	SWXXCX9GD	97	2 U	42	7.9	10.3
9/30/2014	XD	SWDP2X9G5	92	2	45	7.7	10.2
4/14/2015	XX	SWXXCXA27	67	3.2	23	4.1	17.9
7/21/2015	XX	SWXXCXA4B	93	2 U	37	7	14.5
10/20/2015	XX	SWXXCXA6H	86	3.5	30	9.5	15.7
10/20/2015	XD	SWDP2XA69	99	3.5	30	9.3	13.4
4/26/2016	XX	SWXXCXA6I	55	2.6	27	5.1	13.1
10/18/2016	XX	SWXXCXACJ	114	2.5	58	4.4	18.6
4/25/2017	XX	SWXXCXAEJ	35	2.5	20	6.1	11
SW-D							
4/28/2008	XX	SWXXDX6JA		7.4	120	4.9	56.3
4/28/2008	XD	SWDP3X6J4		7.2	116	5.2	55.6
7/22/2008	XX	SWXXDX722		9.1	62	11.2	47
10/7/2008	XX	SWXXDX74D		3.8	46	18.1	31.4
10/7/2008	XD	SWDP3X747		3.7	47	22.9	31.2
4/21/2009	XX	SWXXDX774		3.1	54	8	30
7/21/2009	XX	SWXXDX79E		4.1	119	7.6	40.7
10/20/2009	XX	SWXXDX7E9		8	62	7.4	35.1
3/30/2010	XX	SWXXDX7H1		3.9	54	7.6	48.6
3/30/2010	XD	SWDP3X7GF		3.8	36	7.8	28.7
7/27/2010	XX	SWXXDX7J6		6.6	234	0.9 J	63.8
10/5/2010	XX	SWXXDX81D		3.2	46	14.3	29.1
10/5/2010	XD	SWDP3X817		3.3	46	14.5	32.4
4/12/2011	XX	SWXXDX8A3	163	2.8	45	5.9	43.5
4/12/2011	XD	SWDP2X89E	199	3.1	62	4.9	53.4
7/26/2011	XX	SWXXDX8DJ	354	13.2	171	2	72.8
10/18/2011	XX	SWXXDX8C1	196	2.5	75	12	30.8
4/11/2012	XX	SWXXDX8I6	190	4.6	55	6.7	48.8
4/11/2012	XD	SWDP2X8HH	183	4.7	57	6.5	58.8
7/10/2012	XX	SWXXDX909	404	9.4	210	2	94
10/3/2012	XX	SWXXDX92B	198	5.8	62	14.2	41.2
4/9/2013	XX	SWXXDX94B	162	4.4	39	5.1	56.9
4/9/2013	XD	SWDP2X942	171	4.6	40	5.4	61.3
7/9/2013	XX	SWXXDX96B	280	3.2	110	10	71.5
10/22/2013	XX	SWXXDX9AA	354	6.4	161	7.3	77.9
4/29/2014	XX	SWXXDX9CD	197	5.4	50	6.6	67.9
4/29/2014	XD	SWDP2X9C4	196	5.3	50	6.6	68.4
7/15/2014	XX	SWXXDX9EF	360	7.6	167	6.1	85.6
9/30/2014	XX	SWXXDX9GE	497	9.2	251	2 U	96.4
4/14/2015	XX	SWXXDXA28	117	3.2	25	5.8	45.5
4/14/2015	XD	SWDP2XA1J	106	3.1	24	5.6	41
7/21/2015	XX	SWXXDXA4C	414	6 U	130	5.7	144
10/20/2015	XX	SWXXDXA6I	280	8.9	77	10.4	76
4/26/2016	XX	SWXXDXA8J	310	5.6	85	6.6	103
4/26/2016	XD	SWDP2XA8A	311	5.3	84	5.5	131

SUMMARY REPORT

Surface Water Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
(SW-D)							
10/18/2016	XX	SWXXDXAD0	566	11	235	2 U	96.2
10/18/2016	XD	SWDP2XACB	557	11	230	2 U	96.3
4/25/2017	XX	SWXXDXAF0	213	4.3	47	8.6	99
4/25/2017	XD	SWDP2XAEB	223	3.9	46	8.7	98
SW-E							
4/28/2008	XX	SWXXEX6JB		12.9	149	6.8	83.4
7/22/2008	XX	SWXXEX723		12.4	155	6.5	64.1
10/7/2008	XX	SWXXEX74E		8.2	124	16.6	60.9
4/21/2009	XX	SWXXEX775		10.1	170	4.7	73.4
7/21/2009	XX	SWXXEX79F		12.5	220	4.8	77.1
10/20/2009	XX	SWXXEX7EA		9.4	135	5	54.7
3/30/2010	XX	SWXXEX7H2		3.4	35	7.9	24.7
7/27/2010	XX	SWXXEX7J7		7.5	258	1.6 J	68.4
10/5/2010	XX	SWXXEX81E		6.2	124	8.6	49.6
4/12/2011	XX	SWXXEX8A4	168	3.6	55	5.4	47
7/26/2011	XX	SWXXEX8E0	445	14.7	241	2.1	81.5
7/26/2011	XD	SWDP2X8DA	454	14.7	237	1.9 J	81.2
10/18/2011	XX	SWXXEX8C2	293	5.4	126	9.2	45.8
4/11/2012	XX	SWXXEX8I7	276	18.2	107	5.6	64.9
7/10/2012	XX	SWXXEX90A	442	13.5	243	3.2	96.6
7/10/2012	XD	SWDP2X900	441	13.2	240	2 U	97.2
10/3/2012	XX	SWXXEX92C	273	7.9	111	10.8	54
4/9/2013	XX	SWXXEX94C	317	5.9	75	6.2	114
7/9/2013	XX	SWXXEX96C	460	10.1	221	3.2	87.6
7/9/2013	XD	SWDP2X962	456	10.2	220	3.2	87.7
10/22/2013	XX	SWXXEX9AB	446	10.4	235	2.3	78.5
4/29/2014	XX	SWXXEX9CE	303	8.2	105	4.9	88.7
7/15/2014	XX	SWXXEX9EG	481	10.2	228	2.8	106
7/15/2014	XD	SWDP2X9E6	473	10.4	230	2.8	109
9/30/2014	XX	SWXXEX9GF	500	8.9	256	2 U	98.5
4/14/2015	XX	SWXXEXA29	155	4.1	39	5.3	68.9
7/21/2015	XX	SWXXEXA4D	555	10.4	244	2 U	138
7/21/2015	XD	SWDP2XA43	553	10.3	243	2 U	147
10/20/2015	XX	SWXXEXA6J	443	11.4	185	4.3	86.1
4/26/2016	XX	SWXXEXA90	484	9.2	193	2.4	149
10/18/2016	XX	SWXXEXAD1	534	10.2	253	2.2	131
4/25/2017	XX	SWXXEXAF1	334	6.3	110	6.9	130

SUMMARY REPORT

Surface Water Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SW-E)

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 6/5/2017 15:43

FOR: Pinetree Landfill

SUMMARY REPORT

Leachate Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(LCS-3C) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
LCS-3C							
7/27/2011	XX	LTL3CX8E3	21470	247 J	1910	632	19200
7/27/2011	XD	LTDP4X8F0	21940	225 J	1970	634	17800
7/9/2012	XX	LTL3CX90D	13220	219	1500	436	8210
7/9/2012	XD	LTDP4X919	15610	206	1770	470	9010
7/8/2013	XX	LTL3CX96F	22390	1100	3690	1700	32600
7/15/2014	XX	LTL3CX9EJ	18760	4450	3950	1020	22800
7/21/2015	XX	LTL3CXA4G	25640	1780	4150	1150	17700
4/27/2016	XX	LTLCSXA92	20840	685	5260	1510	10700
10/18/2016	XX	LTLCSXAD3	21490	2260	4900	2020	19200
4/26/2017	XX	LTLCSXAF3	20676	640	5400	2 U	24000
PDPS							
4/30/2008	XX	LTPDPX6J3		78.6	4300	999	2320
7/23/2008	XX	LTPDPX71F		37	1930	233	1190
10/8/2008	XX	LTPDPX746		58.3	1780	224	1160
4/22/2009	XX	LTPDPX76H		20.6	1920	286	1010
7/21/2009	XX	LTPDPX797		34.8	2060	257	1270
10/21/2009	XX	LTPDPX7E2		6 U	2370	235	1010
3/30/2010	XX	LTPDPX7GE		34.8	1090	67.2	507
7/26/2010	XX	LTPDPX7IJ		120 U	2670	335	1630
10/6/2010	XX	LTPDPX816		30.8	1440	142	889
4/12/2011	XX	LTPDPX8A5	1842	39.4	1240	6	707
4/12/2011	XD	LTDP4X8B4	1832	42.9	1270	5.9	715
7/26/2011	XX	LTPDPX8E1	1638	6 U	2090	218	1610
10/18/2011	XX	LTPDPX8C3	1519	22.6	940	82.2	423
4/10/2012	XX	LTPDPX8I8	2007	57.5	1320	117	527
4/10/2012	XD	LTDP4X8J7	2037	59.4	1310	113	546
7/9/2012	XX	LTPDPX90B	2108	35.5	1340	142	662
10/2/2012	XX	LTPDPX92D	1523	35.3	870	55.8	443
4/9/2013	XX	LTPDPX94D	1154	15.9	749	43.7	313
4/9/2013	XD	LTDP4X95C	1190	15.8	763	44.8	315
7/10/2013	XX	LTPDPX96D	1994	4.7	1270	134	464
10/23/2013	XX	LTPDPX9AC	1916	20 U	1350	97	829
4/29/2014	XX	LTPDPX9CF	3660	21.6	2720	258	1070
7/15/2014	XX	LTPDPX9EH	1294	1390	900	5450	3370
9/30/2014	XX	LTPDPX9GG	2336	20 U	1470	141	727
4/15/2015	XX	LTPDPXA2A	767	30 U	500	27.4	161
7/21/2015	XX	LTPDPXA4E	1790	864	1090	89.4	3390
10/20/2015	XX	LTPDPXA70	1906	21.8	1190	110	621
4/27/2016	XX	LTPDPXA91	984	17.4	670	53.3	258
10/18/2016	XX	LTPDPXAD2	4540	31	2890	399	1480
4/26/2017	XX	LTPDPXAF2	736	11	530	33	140

SUMMARY REPORT

Leachate Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(PDPS)

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

SUMMARY REPORT

Groundwater Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(200) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
200							
4/30/2008	XX	GW200X700		96.2	236	3.8	122
4/30/2008	XD	GWDP1X6J0		99.7	234	3.3	126
7/22/2008	XX	GW200X72B		85.6	205	3.9	60.3
7/22/2008	XD	GWDP1X71C		88.5	206	4.3	62
10/7/2008	XX	GW200X753		70.8	220	5.6	44
10/7/2008	XD	GWDP1X743		74.2	223	2.9	46.3
4/21/2009	XX	GW200X77E		32.2	271	2.5	23.2
4/21/2009	XD	GWDP1X76E		29.6	275	2.8	22.5
7/22/2009	XX	GW200X7A3		40	280	3.8	15.2
7/22/2009	XD	GWDP1X794		41.8	280	3.7	16.6
10/20/2009	XX	GW200X7EJ		48.2	277	4.2	39.6
10/20/2009	XD	GWDP1X7DJ		46.6	275	4.4	40.5
3/31/2010	XX	GW200X7HB		36.7	260	4	11.1
3/31/2010	XD	GWDP1X7GB		37.5	259	3.8	11.1
7/27/2010	XX	GW200X7JF		41.5	226	4.3	19.8
7/27/2010	XD	GWDP1X7IG		42.3	229	4.3	18.3
10/5/2010	XX	GW200X823		62.3	272	4.4	27.4
10/5/2010	XD	GWDP1X813		58.3	274	4.4	28
4/12/2011	XX	GW200X89B	364	22.1	259	2.7	8.6
7/27/2011	XX	GW200X8D7	339	27.2	232	4	23.1
10/17/2011	XX	GW200X8B9	386	32.6	251	5.4	20
10/17/2011	XD	GWDP1X8BB	400	33.6	251	5.5	20.4
4/11/2012	XX	GW200X8HE	408	68.7	212	5.7	35.8
7/11/2012	XX	GW200X8JH	370	36.6	253	4.4	12.3
10/3/2012	XX	GW200X91J	407	38.3	257	6.2	23.9
10/3/2012	XD	GWDP1X921	406	32.6	256	6	30.6
4/10/2013	XX	GW200X93J	284	27.8	203	3.2	4.1
7/10/2013	XX	GW200X95J	317	26.8	243	4	3.3
10/23/2013	XX	GW200X99I	304	19.6	237	4.7	3.1
10/23/2013	XD	GWDP1X9A0	309	18.2	239	4.8	3.7
4/30/2014	XX	GW200X9C1	236	17.3	186	2.5	6.3
4/30/2014	XD	GWDP4X9DE	233	22.3	184	2.5	8.6
7/16/2014	XX	GW200X9E3	296	18.9	225	3.7	6.8
10/1/2014	XX	GW200X9G2	292	15.4	238	3.9	8.4
10/1/2014	XD	GWDP1X9G4	294	15	235	4	8.2
4/15/2015	XX	GW200XA1G	283	14.3	221	2.7	11.1
4/15/2015	XD	GWDP4XA38	296	12.4	223	2.9	11
7/22/2015	XX	GW200XA40	295	17.4	235	3.2	9.1
10/21/2015	XX	GW200XA66	454	32.5	302	3.9	37.5
10/21/2015	XD	GWDP1XA68	450	32.7	305	4.1	38.3
4/27/2016	XD	GWDP1XA89	258	12.4	200	2.7	9.4
4/27/2016	XX	GW200XA87	259	12.5	196	2.4	9.3
10/19/2016	XX	GW200XAC8	506	20.7	257	4.5	25.2
4/26/2017	XD	GWDP1XAEA	229	8.3	190	2.3	7.1
4/26/2017	XX	GW200XAE8	231	8.4	190	2.5	6.9
509B							
8/31/2010	XX	GW509B86F			285		124

SUMMARY REPORT

Groundwater Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
(509B)							
4/11/2011	XX	GW509B899	554	58.2	282	3.9	82.4
7/27/2011	XX	GW509B8D5	396	30.4	253	0.7 U	13.1
10/18/2011	XX	GW509B8B7	568	41.6	314	4.6	84.9
4/10/2012	XX	GW509B8HC	452	41.1	247	3.2	81.2
7/10/2012	XX	GW509B8JF	468	5	272	3.6	13.8
10/2/2012	XX	GW509B91H	700	18.6	312	4	172
4/9/2013	XX	GW509B93H	437	18.3	257	3.3	79.8
7/9/2013	XX	GW509B95H	435	14	278	3.9	61
10/22/2013	XX	GW509B99G	516	10.8	297	4.3	68.1
4/29/2014	XX	GW509B9BJ	482	25	255	2.7	93
7/15/2014	XX	GW509B9E1	618	16.2	324	3.8	122
9/30/2014	XX	GW509B9G0	684	11.8	355	3.8	127
4/14/2015	XX	GW509BA1E	601	23.3	337	3.1	104
7/21/2015	XX	GW509BA3I	640	15.1	318	3.6	134
10/20/2015	XX	GW509BA64	601	18.1	317	3.3	121
4/26/2016	XX	GW509BA85	531	12.9	307	3.4	123
10/18/2016	XX	GW509BAC6	709	15.8	292	2.5	171
4/25/2017	XX	GW509BAE6	523	13	310	3.3	110
516B-B							
4/30/2008	XX	GW516B701		35.8	292	2.6	188
7/22/2008	XX	GW516B72C		28.3	298	3	145
10/7/2008	XX	GW516B754		28.6	282	1.4 J	152
4/22/2009	XX	GW516B77F		42.8	278	1.6 J	135
7/21/2009	XX	GW516B7A4		46.7	275	2.5	153
10/20/2009	XX	GW516B7F0		31.6	280	1.9 J	156
3/31/2010	XX	GW516B7HC		32.7	288	2.3	146
7/28/2010	XX	GW516B7JG		18.9	290	1.6 J	127
10/5/2010	XX	GW516B824		18.4	287	1.2 J	143
4/12/2011	XX	GW516B897	599	12.5	291	1.4 J	137
7/26/2011	XX	GW516B8D3	606	28.6	285	1.2 J	152
10/17/2011	XX	GW516B8B5	591	15.9	292	1.8 J	125
4/11/2012	XX	GW516B8HA	587	30.7	289	1.5 J	126
7/11/2012	XX	GW516B8JD	639	23.6	285	2 U	157
10/2/2012	XX	GW516B91F	600	5.3	292	2 U	24.5
4/9/2013	XX	GW516B93F	604	21.7	290	2 U	141
7/9/2013	XX	GW516B95F	617	24.1	291	2 U	135
10/22/2013	XX	GW516B99E	608	21.1	298	2 U	128
4/30/2014	XX	GW516B9BH	588	22.1	326	2 U	144
7/15/2014	XX	GW516B9DJ	641	20	304	2 U	136
9/30/2014	XX	GW516B9FI	612	15.9	310	2 U	138
4/14/2015	XX	GW516BA1C	640	13.7	337	12.3	152
7/20/2015	XX	GW516BA3G	624	6.7	332	2.3	137
10/20/2015	XX	GW516BA62	615	9.8	324	2 U	171
4/26/2016	XX	GW516BA83	602	14	316	2 U	168
10/18/2016	XX	GW516BAC4	607	17.4	305	2 U	140
4/25/2017	XX	GW516BAE4	617	24	320	2 U	170
641							
4/29/2008	XX	GW641X708	1140	129	541	13.4	225

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(641) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
7/21/2008	XX	GW641X72J	1316	108	662	22.6	262
10/7/2008	XX	GW641X75B	1219	98.5	680	32.9	273
4/20/2009	XX	GW641X782	1793	181	551	36.8	581
7/20/2009	XX	GW641X7AB	1680	213	445	26	604
10/20/2009	XX	GW641X7F7	1603	103	723	50.9	540
3/29/2010	XX	GW641X7HJ	1215	100	584	29.4	368
7/27/2010	XX	GW641X803	925	53.7	560	8.8	144
10/5/2010	XX	GW641X82B	926	65	523	8.3	154
4/13/2011	XX	GW641X89C	1018	73.3	610	15.8	211
7/26/2011	XX	GW641X8D8	912	73.8	516	6	172
10/19/2011	XX	GW641X8BA	840	60.3	482	9.3	158
4/10/2012	XX	GW641X8HF	611	73.4	346	7.5	97.8
7/10/2012	XX	GW641X8JI	529	57.6	306	5.7	62.2
10/1/2012	XX	GW641X920	2113	26.7	1240	121	502
11/7/2012	XX	GW641X93E	952	46.3	560	22.8	189
4/9/2013	XX	GW641X940	714	52.8	403	12.6	137
7/9/2013	XX	GW641X960	458	39.8	313	5	38.3
10/21/2013	XX	GW641X99J	723	33.1	520	7.7	42
4/30/2014	XX	GW641X9C2	675	27.2	464	13.6	85.5
7/16/2014	XX	GW641X9E4	581	22.5	426	8.1	48.6
10/1/2014	XX	GW641X9G3	537	38.4	379	5.4	46.6
4/15/2015	XX	GW641XA1H	660	44.4	402	6.4	112
7/22/2015	XX	GW641XA41	534	30.6	323	9.8	76.2
10/20/2015	XX	GW641XA67	510	46.3	306	6.1	85
4/26/2016	XX	GW641XA88	475	33.5	305	6.1	73
10/19/2016	XX	GW641XAC9	477	41.5	290	4	70.8
4/25/2017	XX	GW641XAE9	451	34	310	5.4	64
MW02-801A							
4/30/2008	XX	GW801A709	2455	16 J	1050	82.8	1420
4/30/2008	XD	GWDP4X6JI	2507	15.5 J	1047	54.3	1414
7/22/2008	XX	GW801A730	2645	24.4 J	1090	58.9	1360
7/22/2008	XD	GWDP2X71D	2513	24.7 J	1050	60.4	1340
10/8/2008	XX	GW801A75C	2659	11.9 J	1120	66.3	996
10/8/2008	XD	GWDP4X751	2653	12.1 J	1090	70.5	993
4/22/2009	XX	GW801A783	2570	9.8 J	1068	58.4	972
4/22/2009	XD	GWDP4X77C	2559	9.1	1060	58.4	1030
7/22/2009	XX	GW801A7AC	2572	17.9 J	1091	64.2	1270
7/22/2009	XD	GWDP2X795	2615	17.9 J	1098	64.9	1270
10/21/2009	XX	GW801A7F8	2542	21 J	1060	50.1	1210
10/21/2009	XD	GWDP4X7EH	2582	20.4 J	1056	48.9	1220
3/30/2010	XX	GW801A7I0	2354	11.5 J	1060	56.9	1010
3/30/2010	XD	GWDP4X7H9	2362	10.8 J	1074	57.8	1030
7/28/2010	XX	GW801A804	2326	6 U	1094	64.5	1020
7/28/2010	XD	GWDP2X7IH	2368	6 U	1071	64.5	1180
10/4/2010	XX	GW801A82C	2465	9 U	1072	52.6	1060
10/4/2010	XD	GWDP4X821	2387	9 U	1053	52	1060
4/11/2011	XX	GW801A89F	2168	15.9 J	1036	60.1	1060
7/25/2011	XX	GW801A8DB	1898	8.8 J	890	33.5	511
10/17/2011	XX	GW801A8BD	2004	6.8 J	966	51.7	809

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(MW02-801A) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
4/9/2012	XX	GW801A8HI	1985	6.7	970	57.8	785
7/9/2012	XX	GW801A901	2050	14.4	931	46.8	648
10/3/2012	XX	GW801A923	2054	33.1	925	51.5	880
4/9/2013	XX	GW801A943	1877	15.6	884	45.5	694
7/8/2013	XX	GW801A963	1933	20 U	914	46.2	633
10/21/2013	XX	GW801A9A2	1835	10.1	927	46.5	595
4/28/2014	XX	GW801A9C5	1780	20 U	918	42.5	605
7/14/2014	XX	GW801A9E7	1827	30 U	920	45.2	557
9/29/2014	XX	GW801A9G6	1783	20 U	946	46.5	590
4/13/2015	XX	GW801AA20	1633	138	888	37.2	454
7/20/2015	XX	GW801AA44	1609	11.6	854	33.6	475
10/19/2015	XX	GW801AA6A	1648	40 U	899	36.3	552
4/25/2016	XX	GW801AA8B	1287	20 U	790	27.7	461
10/17/2016	XX	GW801AACC	1475	20 U	790	29.4	437
4/24/2017	XX	GW801AAEC	1369	40 U	840	29	400
MW03-802A							
4/29/2008	XX	GW802A70A		18.7	405	4.3	66.7
7/22/2008	XX	GW802A731		15.6	434	2.7	56.8
10/6/2008	XX	GW802A75D		14.7	419	3.2	58.1
4/21/2009	XX	GW802A784		14.4	449	2	50.7
7/21/2009	XX	GW802A7AD		20.3	462	3.8	68.9
10/19/2009	XX	GW802A7F9		13.8	447	2	57.1
3/30/2010	XX	GW802A7I1		16.2	438	4	56.6
7/26/2010	XX	GW802A805		12.4	439	1.8 J	50.4
10/4/2010	XX	GW802A82D		11	433	2	47.8
4/11/2011	XX	GW802A89G	447	20.8	361	7.5	24.9
4/11/2011	XD	GWDP1X89D	362	21.1	284	7.6	12.1
7/26/2011	XX	GW802A8DC	529	20.7	410	2.7	32.8
10/17/2011	XX	GW802A8BE	519	15.7	417	2.5	29.9
4/9/2012	XX	GW802A8HJ	422	15.5	332	2.4	22.1
4/9/2012	XD	GWDP1X8HG	492	20.7	385	2.3	33.9
7/9/2012	XX	GW802A902	496	11.7	412	4.2	16.1
10/1/2012	XX	GW802A924	502	5.3	407	3.7	24.5
4/8/2013	XX	GW802A944	482	8.4	387	2.9	14
4/8/2013	XD	GWDP1X941	426	16.3	326	3.4	20.8
7/8/2013	XX	GW802A964	488	11.2	362	2.6	34.8
7/8/2013	XD	GWDP4X97B	477	11.3	366	2.6	34.5
10/21/2013	XX	GW802A9A3	474	8	362	2.5	27.2
4/28/2014	XX	GW802A9C6	330	12.4	278	2.4	9.9
4/28/2014	XD	GWDP1X9C3	323	11.8	262	2.5	7.2
7/14/2014	XX	GW802A9E8	454	9.8	373	2.6	11.5
7/14/2014	XD	GWDP4X9FF	472	10.6	379	2.4	11.7
9/29/2014	XX	GW802A9G7	479	8.1	394	2.6	24.7
4/13/2015	XX	GW802AA21	409	12.6	301	3.9	38.1
4/13/2015	XD	GWDP1XA1I	398	14	267	3.8	41
7/20/2015	XX	GW802AA45	411	10.3	310	3.2	41
7/20/2015	XD	GWDP4XA5C	384	11.9	274	3.4	32.3
10/20/2015	XX	GW802AA6B	443	14	335	2.6	40.1
4/25/2016	XX	GW802AA8C	268	13.2	196	3.2	14.4

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(MW03-802A) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
10/17/2016	XX	GW802AACD	254	10.2	182	2.8	13
4/24/2017	XX	GW802AAED	422	16	350	3.5	33
MW03-802B							
4/29/2008	XX	GW802B6JD		18	454	4.3	87.3
7/22/2008	XX	GW802B725		16.2	548	2	62.7
10/6/2008	XX	GW802B74G		13.1	610	0.9 J	41.8
4/21/2009	XX	GW802B777		15.6	439	0.9 J	86.5
7/21/2009	XX	GW802B79H		17.7	405	1.6 J	101
10/19/2009	XX	GW802B7EC		10.2	452	1.3 J	39.5
3/30/2010	XX	GW802B7H4		19.6	415	2.1	78.9
7/26/2010	XX	GW802B7J9		11.5	573	1.2 J	28.6
10/4/2010	XX	GW802B81G		15	417	3.4	31.5
4/25/2016	XX	GW802BA97	670	21.2	467	2.2	77.2
10/17/2016	XX	GW802BAD6	877	5.6	575	8.7	113
4/24/2017	XX	GW802BAF6	693	22	440	2.3	140
MW03-803A							
4/29/2008	XX	GW803A6JE		17.6	462	2.5	75.3
7/22/2008	XX	GW803A726		12.6	380	1.5 J	31.6
10/6/2008	XX	GW803A74H		13.1	359	3.5	32.4
4/21/2009	XX	GW803A778		11	333	1.3 J	40.6
7/21/2009	XX	GW803A79I		13.2	325	1.9 J	45.4
10/19/2009	XX	GW803A7ED		17	630	3.1	64.7
3/30/2010	XX	GW803A7H5		11.1	280	1.5 J	71.5
7/26/2010	XX	GW803A7JA		11.1	485	2	40.7
10/4/2010	XX	GW803A81H		9.9	443	0.8 J	51.5
4/25/2016	XX	GW803AA98	950	20 U	254	2 U	365
7/27/2016	XX	GW803AABB	839	14.5	491	2 U	177
10/17/2016	XX	GW803AAD7	936	20 U	472	2 U	224
4/24/2017	XX	GW803AAF7	1178	12	250	2 U	450
MW03-803B							
4/29/2008	XX	GW803B6JF		26.9	580	4	60.9
7/22/2008	XX	GW803B727		18.7	705	3.3	49.4
10/6/2008	XX	GW803B74I		20.1	618	5	56.1
10/6/2008	XD	GWDP2X744		20.1	615	4.1	55.8
4/21/2009	XX	GW803B779		18	621	2.3	54.3
7/21/2009	XX	GW803B79J		25.3	640	3.6	57.8
10/19/2009	XX	GW803B7EE		18.7	637	2.2	44.5
3/30/2010	XX	GW803B7H6		20.3	490	3.2	31.8
7/26/2010	XX	GW803B7JB		14.7	736	2.1	44.1
10/4/2010	XX	GW803B81I		12.6	666	2.9	39.1
4/11/2011	XX	GW803B89H	801	15.8	618	2.5	50.5
7/26/2011	XX	GW803B8DD	868	3.5	690	2	61
10/17/2011	XX	GW803B8BF	881	11.9	703	3.9	44.2
4/9/2012	XX	GW803B8I0	834	18.8	650	2.7	61.5
7/9/2012	XX	GW803B903	858	22.8	660	3	62.6
10/1/2012	XX	GW803B925	927	10.2	691	2.2	63.9
4/8/2013	XX	GW803B945	912	13.6	682	2.9	44.8
7/8/2013	XX	GW803B965	830	6.1	640	3.7	42.7

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(MW03-803B) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
10/21/2013	XX	GW803B9A4	922	13	683	2.2	59.7
4/28/2014	XX	GW803B9C7	867	19.8	644	3.2	46.3
7/14/2014	XX	GW803B9E9	877	21.5	639	3.1	54.2
9/29/2014	XX	GW803B9G8	917	15.9	668	2.1	60.3
4/13/2015	XX	GW803BA22	788	18.3	564	2.3	91.7
7/20/2015	XX	GW803BA46	834	15.7	583	2.6	76.8
10/19/2015	XX	GW803BA6C	871	18.3	631	2 U	22.5
4/25/2016	XX	GW803BA8D	908	16.6	536	2.1	130
7/27/2016	XX	GW803BAAI	839	14.9	614	2.8	94.5
10/17/2016	XD	GWDP1XACA	855	13.7	629	2 U	84.4
10/17/2016	XX	GW803BACE	858	13.6	628	2 U	87.9
4/24/2017	XX	GW803BAEE	825	14	590	2.9	120
MW-906B							
4/29/2008	XX	GW906B70D	316	41.2	149	2.6	92.1
7/22/2008	XX	GW906B734	346	20.9	148	3	83.3
10/6/2008	XX	GW906B75G	295	19.6	140	5.9	75.3
4/20/2009	XX	GW906B787	360	17.2	150	1.9 J	102
7/22/2009	XX	GW906B7AG	363	22	154	2	101
10/19/2009	XX	GW906B7FC	365	19	148	3	118
3/29/2010	XX	GW906B7I4	353	16.3	161	2.6	92.1
7/26/2010	XX	GW906B808	395	17.2	147	1.4 J	11.3
10/4/2010	XX	GW906B82G	366	16	132	1.5 J	105
4/11/2011	XX	GW906B89J	317	12	164	1.7 J	74.8
7/25/2011	XX	GW906B8DF	326	16.8	151	1.4 J	76.6
10/17/2011	XX	GW906B8BH	298	10.7	161	1.9 J	48.9
4/9/2012	XX	GW906B8I2	300	13.9	162	1.2 J	64.4
7/9/2012	XX	GW906B905	303	12.1	153	2 U	61.5
10/2/2012	XX	GW906B927	312	11.4	139	2 U	73.2
4/8/2013	XX	GW906B947	300	11.3	164	2 U	60.2
7/9/2013	XX	GW906B967	281	9.7	161	2 U	51.5
10/22/2013	XX	GW906B9A6	290	9.9	160	2 U	48.7
4/28/2014	XX	GW906B9C9	286	11.6	167	2 U	56
7/15/2014	XX	GW906B9EB	270	29.5	154	2.2	72.8
9/30/2014	XX	GW906B9GA	290	10.2	141	2 U	62
4/14/2015	XX	GW906BA24	281	13.6	160	2 U	41.9
7/21/2015	XX	GW906BA48	261	9	150	2 U	45.1
10/19/2015	XX	GW906BA6E	275	13.4	146	2 U	58.3
4/25/2016	XX	GW906BA8F	238	9.3	152	2 U	41.4
10/17/2016	XX	GW906BACG	270	11.1	143	2 U	50.8
4/25/2017	XX	GW906BAEG	223	8.7	150	2.1	42
MW-916							
4/30/2008	XX	GW916X70H		17.5	719	11.2	3.6
7/21/2008	XX	GW916X738		17.4	868	2.9	7.9
10/7/2008	XX	GW916X760		17.2	390	7.8	2.1
4/20/2009	XX	GW916X78B		12.2	604	2.3	2
7/21/2009	XX	GW916X7B0		9.5	358	7.8	0.9 J
10/20/2009	XX	GW916X7FG		8.7	583	5.8	1.8
3/31/2010	XX	GW916X7I8		3.6	121	6.3	0.9 J

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Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
(MW-916)							
3/31/2010	XD	GWDP2X7GC		3.8	138	5.9	0.9 J
7/27/2010	XX	GW916X80C		10.6	500	3.9	4
10/5/2010	XX	GW916X830		9.7	665	1.6 J	4.1
4/12/2011	XX	GW916X89A	537	14	487	3	1.9
7/26/2011	XX	GW916X8D6	533	12.5	487	4	2.6
10/18/2011	XX	GW916X8B8	387	9.1	335	4.8	0.7 J
4/10/2012	XX	GW916X8HD	600	24.9	548	2.7	3
7/10/2012	XX	GW916X8JG	419	14.9	385	3.5	2.4
10/2/2012	XX	GW916X91I	521	22.8	446	4.8	3
4/8/2013	XX	GW916X93I	563	39.1	498	2.1	3.1
7/9/2013	XX	GW916X95I	551	51.2	464	2.2	2.7
10/22/2013	XX	GW916X99H	484	36.5	394	2.8	2.6
4/29/2014	XX	GW916X9C0	539	45.7	455	3.2	3.7
7/15/2014	XX	GW916X9E2	463	27.5	394	3.3	3.3
9/30/2014	XX	GW916X9G1	560	30.6	477	2.2	3.3
4/29/2015	XX	GW916XA1F	215	7.1	188	5.1	2.4
7/21/2015	XX	GW916XA3J	478	39	391	2.4	2.5
10/20/2015	XX	GW916XA65	439	44.7	331	4.7	5.9
4/26/2016	XX	GW916XA86	366	27.5	308	3.2	5.9
10/18/2016	XX	GW916XAC7	283	24.9	229	2.2	2.3
4/25/2017	XX	GW916XAE7	320	12	300	2.9	1.8
MW-917							
4/30/2008	XX	GW917X70I	902	21.4	905	14.2	4.4
7/21/2008	XX	GW917X739	799	12.8	852	2.4	5.6
10/7/2008	XX	GW917X761	805	12.4	783	3.4	5.2
4/20/2009	XX	GW917X78C	814	9.7	810	0.7 U	3.7
7/21/2009	XX	GW917X7B1	715	11	692	2.1	4.3
10/20/2009	XX	GW917X7FH	742	19.9	725	0.9 J	6
3/31/2010	XX	GW917X7I9	697	9.3	672	2.2	5
7/27/2010	XX	GW917X80D	642	5.8	635	0.7 U	5.9
10/5/2010	XX	GW917X831	631	6.4	617	0.7 U	4.7
4/12/2011	XX	GW917X89I	641	14	635	0.7 U	5.2
7/26/2011	XX	GW917X8DE	674	34.9	601	0.7 U	6.7
10/18/2011	XX	GW917X8BG	716	33.2	637	0.9 J	4.3
4/10/2012	XX	GW917X8I1	688	45.9	604	0.8 J	5.8
7/10/2012	XX	GW917X904	655	25.8	584	2 U	6.4
10/2/2012	XX	GW917X926	685	42.4	591	2 U	5.7
4/8/2013	XX	GW917X946	669	41.5	591	2 U	5.1
7/9/2013	XX	GW917X966	606	37.3	535	2 U	4.8
10/22/2013	XX	GW917X9A5	629	35.4	534	2 U	4.9
4/29/2014	XX	GW917X9C8	607	47.3	519	2 U	5.7
7/15/2014	XX	GW917X9EA	589	34.1	504	2 U	5.8
9/30/2014	XX	GW917X9G9	570	33.8	504	2 U	6.1
4/14/2015	XX	GW917XA23	554	39.1	491	2 U	9.6
7/21/2015	XX	GW917XA47	555	35.9	485	2 U	8.5
10/20/2015	XX	GW917XA6D	529	36	466	2 U	8.9
4/26/2016	XX	GW917XA8E	498	31.9	432	2 U	9.5
10/18/2016	XX	GW917XACF	542	38.5	442	2 U	8.6
4/25/2017	XX	GW917XAEF	488	33	440	2 U	11

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(MW97-123) Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
MW97-123							
4/28/2008	XX	GW123X6JJ	885	281	383	5.5	478
7/21/2008	XX	GW123X72A	814	99.6	366	5.4	149
10/6/2008	XX	GW123X752	792	112	348	9.7	157
4/20/2009	XX	GW123X77D	933	121	398	4.8	226
7/20/2009	XX	GW123X7A2	989	144	409	6.3	255
10/19/2009	XX	GW123X7EI	555	62.1	305	3.1	81
3/31/2010	XX	GW123X7HA	1033	134	428	6.1	257
7/27/2010	XX	GW123X7JE	591	65	285	4.2	75.9
10/5/2010	XX	GW123X822	889	89.3	380	4.3	192
4/12/2011	XX	GW123X698	1070	105	437	6.2	280
7/26/2011	XX	GW123X8D4	1083	163	458	5.7	311
7/26/2011	XD	GWDP1X8D9	1129	157	465	5.7	301
10/18/2011	XX	GW123X8B6	1037	73.3	450	6.3	169
4/10/2012	XX	GW123X8HB	1016	135	448	6.3	255
7/11/2012	XX	GW123X8JE	1030	138	440	5.7	242
7/11/2012	XD	GWDP1X8JJ	1025	133	437	5.7	246
10/2/2012	XX	GW123X91G	1030	98.9	427	5.6	220
4/10/2013	XX	GW123X93G	966	132	424	5.8	160
7/9/2013	XX	GW123X95G	929	119	427	5.7	175
7/9/2013	XD	GWDP1X961	915	119	421	5.8	175
10/23/2013	XX	GW123X99F	924	131	425	5.5	167
4/30/2014	XX	GW123X9BI	883	129	411	5.6	195
7/16/2014	XX	GW123X9E0	889	115	404	5.5	153
7/16/2014	XD	GWDP1X9E5	897	113	400	5.3	138
10/1/2014	XX	GW123X9FJ	884	76.2	409	5.2	157
4/15/2015	XX	GW123XA1D	449	10 U	100	3.1	203
7/22/2015	XX	GW123XA3H	488	10 U	128	4	205
7/22/2015	XD	GWDP1XA42	471	10 U	126	3.9	238
10/21/2015	XX	GW123XA63	796	102	375	4.7	169
4/27/2016	XX	GW123XA84	814	84.5	390	5	189
10/19/2016	XX	GW123XAC5	471	27.4	265	3.3	75.7
4/26/2017	XX	GW123XAE5	823	72	400	5.3	210
P-914A							
4/28/2008	XX	GW914A70F	466	33.2	313	1.4 J	71.6
7/21/2008	XX	GW914A736	463	28	299	1.8 J	66.4
10/7/2008	XX	GW914A75I	488	30.5	296	2	70.8
4/20/2009	XX	GW914A789	464	25.9	297	0.9 J	58.2
7/20/2009	XX	GW914A7AI	469	31.5	307	3.3	58.9
10/19/2009	XX	GW914A7FE	419	26.2	272	0.7 J	62
3/29/2010	XX	GW914A7I6	453	29	288	2.3	53
7/28/2010	XX	GW914A80A	433	17.1	265	0.8 J	49.4
10/5/2010	XX	GW914A82I	417	21.9	242	0.7 U	47.7
4/13/2011	XX	GW914A8A0	429	27.4	280	0.7 U	49.2
7/26/2011	XX	GW914A8DG	433	36.2	270	0.7 U	55.5
10/18/2011	XX	GW914A8BI	437	25.8	272	0.8 J	44.4
4/11/2012	XX	GW914A8I3	441	37.2	268	0.8 J	49.7
7/10/2012	XX	GW914A906	429	34.5	275	2 U	59.6

SUMMARY REPORT

Groundwater Inorganics

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(P-914A)

Date	Type	Sample ID	Total Dissolved Solids mg/L	Sulfate mg/L	Bicarbonate (CaCO3) mg/L	Organic Carbon mg/L	Chloride mg/L
10/2/2012	XX	GW914A928	450	38.7	244	2 U	57.6
4/10/2013	XX	GW914A948	448	41.2	265	2 U	57.7
7/8/2013	XX	GW914A968	439	40.6	267	2 U	53.6
10/22/2013	XX	GW914A9A7	444	46.2	259	2 U	47.8
4/28/2014	XX	GW914A9CA	436	51.6	260	2 U	57.1
7/14/2014	XX	GW914A9EC	460	45.5	260	2 U	54.1
9/29/2014	XX	GW914A9GB	440	37.1	254	2.2	58
4/13/2015	XX	GW914AA25	447	62.5	258	2 U	52.1
7/20/2015	XX	GW914AA49	462	55	252	2 U	68.7
10/19/2015	XX	GW914AA6F	452	60.9	233	2 U	66.3
4/25/2016	XX	GW914AA8G	495	61	259	2 U	84.5
10/17/2016	XX	GW914AACH	463	67.5	210	2 U	81
4/24/2017	XX	GW914AAEH	503	69	260	2 U	90

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

SUMMARY REPORT

Methane

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(DW04-109)

Date	Type	Sample ID	Methane ug/L
DW04-109			
4/30/2008	XX	DW109X716	7320
7/21/2008	XX	DW109X740	5580
10/7/2008	XX	DW109X768	6650
4/22/2009	XX	DW109X78I	12700
7/21/2009	XX	DW109X7BA	11800
10/20/2009	XX	DW109X7G3	15000
3/31/2010	XX	DW109X7IC	441
8/10/2010	XX	DW109X812RE	3490
10/5/2010	XX	DW109X834	3590
4/11/2011	XX	DW109X8AJ	7590
7/25/2011	XX	DW109X8EF	6670
7/25/2011	XD	DWDP3X8EI	6200
10/18/2011	XX	DW109X8CH	6610
4/10/2012	XX	DW109X8J2	682
7/10/2012	XX	DW109X914	1830
7/10/2012	XD	DWDP3X917	616
10/2/2012	XX	DW109X934	913
4/9/2013	XX	DW109X957	901
7/10/2013	XX	DW109X976	180
7/10/2013	XD	DWDP3X979	138
10/21/2013	XX	DW109X9B3	1140
4/29/2014	XX	DW109X9D9	830
7/14/2014	XX	DW109X9FA	740
7/14/2014	XD	DWDP3X9FD	550
9/29/2014	XX	DW109X9H7	110
4/13/2015	XX	DW109XA34	110
7/20/2015	XX	DW109XA57	190
7/20/2015	XD	DWDP3XA5A	220
10/19/2015	XX	DW109XA7B	300
4/25/2016	XX	DW109XA9C	20 U
10/17/2016	XX	DW109XADB	190
4/24/2017	XX	DW109XAFB	30
DW-103			
4/28/2008	XX	DW103X710	191
7/21/2008	XX	DW103X73B	181
10/8/2008	XX	DW103X763	213
4/20/2009	XX	DW103X78E	326
7/20/2009	XX	DW103X7B3	241
10/20/2009	XX	DW103X7FJ	280
3/29/2010	XX	DW103X7IB	332 M8
8/10/2010	XX	DW103X80FRE	223
10/4/2010	XX	DW103X833	252
4/11/2011	XX	DW103X8AI	460
4/11/2011	XD	DWDP3X8B2	411
7/25/2011	XX	DW103X8EE	306
10/18/2011	XX	DW103X8CG	149
4/9/2012	XX	DW103X8J1	417

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(DW-103)

Date	Type	Sample ID	Methane ug/L
4/9/2012	XD	DWDP3X8J5	290
7/9/2012	XX	DW103X913	396
10/24/2012	XX	DW103X933	380
4/8/2013	XX	DW103X956	96.4
4/8/2013	XD	DWDP3X95A	261
7/8/2013	XX	DW103X975	373
10/21/2013	XX	DW103X9B2	318
10/21/2013	XD	DWDP3X9B6	6.6 U
4/28/2014	XX	DW103X9D8	130
4/28/2014	XD	DWDP3X9DC	130
7/14/2014	XX	DW103X9F9	90
9/29/2014	XX	DW103X9H6	130
4/13/2015	XX	DW103XA33	60
4/13/2015	XD	DWDP3XA36	70
7/20/2015	XX	DW103XA56	70
12/15/2015	XX	DW103XA7AX	50
12/15/2015	XX	DW103XA7A	A
4/25/2016	XX	DW103XA9B	40
4/25/2016	XD	DWDP3XA9E	50
10/17/2016	XD	DWDP3XADD	60
10/17/2016	XX	DW103XADA	50
4/24/2017	XD	DWDP3XAFD	30
4/24/2017	XX	DW103XAFA	30

MW03-802B

4/29/2008	XX	GW802B6JD	3780
7/22/2008	XX	GW802B725	3190
10/6/2008	XX	GW802B74G	2720
4/21/2009	XX	GW802B777	3920
7/21/2009	XX	GW802B79H	4670
10/19/2009	XX	GW802B7EC	3400
3/30/2010	XX	GW802B7H4	4390 M8
8/10/2010	XX	GW802B7J9RE	3260
10/4/2010	XX	GW802B81G	6740
4/11/2011	XX	GW802B8AE	6600
4/9/2012	XX	GW802B8IH	1760
4/8/2013	XX	GW802B952	4010
4/28/2014	XX	GW802B9D4	2000
4/13/2015	XX	GW802BA2J	710
4/25/2016	XX	GW802BA97	700
10/17/2016	XX	GW802BAD6	1300
4/24/2017	XX	GW802BAF6	340

MW03-803A

4/29/2008	XX	GW803A6JE	539
7/22/2008	XX	GW803A726	2030
10/6/2008	XX	GW803A74H	1490
4/21/2009	XX	GW803A778	811
7/21/2009	XX	GW803A79I	2010
10/19/2009	XX	GW803A7ED	570

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW03-803A)

Date	Type	Sample ID	Methane ug/L
3/30/2010	XX	GW803A7H5	1240 M8
8/10/2010	XX	GW803A7JARE	912
10/4/2010	XX	GW803A81H	331
4/11/2011	XX	GW803A8AF	896
4/9/2012	XX	GW803A8II	438
4/8/2013	XX	GW803A953	251
4/28/2014	XX	GW803A9D5	140
4/13/2015	XX	GW803AA30	90
4/25/2016	XX	GW803AA98	90
7/27/2016	XX	GW803AABB	40
10/17/2016	XX	GW803AAD7	30
4/24/2017	XX	GW803AAF7	50

QCBT

4/28/2008	XX	BTXXXX705	7 U
4/29/2008	XX	BTXXXX706	7 U
4/30/2008	XX	BTXXXX717	7 U
7/21/2008	XX	BTXXXX72G	7 U
7/22/2008	XX	BTXXXX72H	7 U
7/23/2008	XX	BTXXXX73G	7 U
10/6/2008	XX	BTXXXX758	7 U
10/7/2008	XX	BTXXXX759	7 U
10/8/2008	XX	BTXXXX769	7 U
4/20/2009	XX	BTXXXX77J	7 U
4/21/2009	XX	BTXXXX780	7 U
4/22/2009	XX	BTXXXX78J	7 U
7/20/2009	XX	BTXXXX7A8	7 U
7/21/2009	XX	BTXXXX7A9	7 U
7/22/2009	XX	BTXXXX7B8	7 U
8/20/2009	XX	BTXXXX7CG	7 U
10/19/2009	XX	BTXXXX7F4	10 U
10/20/2009	XX	BTXXXX7F5	10 U
10/20/2009	XX	BTXXXXHG5	10 U
10/21/2009	XX	BTXXXX7G4	10 U
3/29/2010	XX	BTXXXX7HG	10 U
3/30/2010	XX	BTXXXX7HH	10 UM8
3/31/2010	XX	BTXXXX7ID	10 U
8/10/2010	XX	BTXXXX801RE	10 U
10/4/2010	XX	BTXXXX828	10 U
10/5/2010	XX	BTXXXX829	10 U
10/6/2010	XX	BTXXXX835	10 U
4/11/2011	XX	BTXXXXHG6	10 U
4/12/2011	XX	BTXXXXHG7	10 U
4/13/2011	XX	BTXXXX8B3	10 U
7/25/2011	XX	BTXXXX8EJ	10 U
7/26/2011	XX	BTXXXX8F4	10 U
7/27/2011	XX	BTXXXX8F5	10 U
10/18/2011	XX	BTXXXX8D1	10 U
4/9/2012	XX	BTXXXX8J8	6.6 U
4/10/2012	XX	BTXXXX8J6	6.6 U

SUMMARY REPORT

Methane

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	Methane ug/L
7/9/2012	XX	BTXXXX918	6.6 U
7/10/2012	XX	BTXXXX91D	6.6 U
10/2/2012	XX	BTXXXX938	6.6 U
10/24/2012	XX	BTXXXX93D	6.6 U
4/8/2013	XX	BTXXXX95B	6.6 U
7/8/2013	XX	BTXXXX97A	6.6 U
7/10/2013	XX	BTXXXX97C	6.6 U
10/21/2013	XX	BTXXXX9BA	6.6 U
4/28/2014	XX	BTXXXX9DD	20 U
4/30/2014	XX	BTXXXX9DG	20 U
7/14/2014	XX	BTXXXX9FE	20 U
9/29/2014	XX	BTXXXX9HD	20 U
4/13/2015	XX	BTXXXXA39	20 U
4/15/2015	XX	BTXXXXA37	20 U
10/19/2015	XX	BTXXXXA7F	20 U
4/25/2016	XX	BTXXXXA9F	20 U
10/17/2016	XX	BTXXXXADE	20 U
10/18/2016	XX	BTXXXXADF	20 U
10/19/2016	XX	BTXXXXADG	20 U
4/24/2017	XX	BTXXXXAFE	20 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

A - The sampling location was Inaccessible

M8 - Final laboratory CCV values for methane analysis failed low on this sample, therefore the methane value on this sample is considered to have a low bias.

U - Not Detected above the laboratory reporting limit.

UM8 - Non detect. Final laboratory CCV values for methane analysis failed low on this sample, therefore the methane value on this sample is considered to have a low bias.

REPORT PREPARED: 6/6/2017 14:03

FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater VOAs Part 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW03-802B) Date	Type	Sample ID	Analytical Method (VOA) -	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L
MW03-802B																	
7/22/2008	XX	GW802B725	EPA 8260	2 U	2 U	2 U	4	5 U	10 U	2 U	2 U	6	2 U	2 U	4	10 U	2 U
7/21/2009	XX	GW802B79H	EPA 8260	1 U	1 U	0.5 J	1.2	5 U	10 U	1 U	1 U	2.1	1 U	1 U	1.2	10 U	1 U
7/26/2010	XX	GW802B7J9	EPA 8260	0.5 U	1 U	1.2	1.9	5 U	10 U	0.5 U	0.5 U	4.3	0.5 U	0.5 U	2.7	5 U	0.5 U
4/25/2016	XX	GW802BA97	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	GW802BAD6	EPA 8260	2 U	2 U	1.5	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	GW802BAD6SIM	SW8260BSIM														
4/24/2017	XX	GW802BAF6	SW8260C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
MW03-803A																	
7/22/2008	XX	GW803A726	EPA 8260	2 U	2 U	2 U	2 U	5 U	10 U	2 U	2 U	6	2 U	2 U	2 U	10 U	2 U
7/21/2009	XX	GW803A79I	EPA 8260	1 U	1 U	0.5 J	1 U	5 U	10 U	1 U	1 U	4.6	1 U	1 U	1 U	10 U	1 U
7/26/2010	XX	GW803A7JA	EPA 8260	0.5 U	1 U	0.5 U	0.91 J	5 U	10 U	0.5 U	0.5 U	8.1	0.5 U	0.5 U	0.72 J	5 U	0.5 U
4/25/2016	XX	GW803AA98	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	GW803AAD7	EPA 8260	2 U	2 U	0.3	5 U	5 U	10 U	5 U	1 U	4	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	GW803AAD7SIM	SW8260BSIM														
4/24/2017	XX	GW803AAF7	SW8260C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	2	1 U	1 U	1 U	10 U	1 U
QCBT																	
5/21/2008	XX	BTXXXX71B	EPA 8260	2 U	2 U	2 U	2 U	5 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
7/21/2008	XX	BTXXXX72G	EPA 8260	2 U	2 U	2 U	2 U	5 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
7/22/2008	XX	BTXXXX72H	EPA 8260	2 U	2 U	2 U	2 U	5 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
7/23/2008	XX	BTXXXX73G	EPA 8260	2 U	2 U	2 U	2 U	5 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
7/20/2009	XX	BTXXXX7A8	EPA 8260	1 U	1 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/21/2009	XX	BTXXXX7A9	EPA 8260	1 U	1 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/22/2009	XX	BTXXXX7B8	EPA 8260	1 U	1 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/26/2010	XX	BTXXXX800	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
7/27/2010	XX	BTXXXX801	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
7/28/2010	XX	BTXXXX810	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
4/13/2011	XX	BTXXXX8B3	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
7/25/2011	XX	BTXXXX8EJ	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
7/26/2011	XX	BTXXXX8F4	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
7/27/2011	XX	BTXXXX8F5	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
10/18/2011	XX	BTXXXX8D1	EPA 8260	0.5 U	1 U	0.5 U	0.5 U	5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
4/10/2012	XX	BTXXXX8J6	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/9/2012	XX	BTXXXX91B	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/10/2012	XX	BTXXXX91D	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
10/2/2012	XX	BTXXXX938	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
10/2/2012	XX	BTXXXXHG8	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
4/8/2013	XX	BTXXXX95B	EPA 8260	1 U	2 U	1 U	1 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U
7/8/2013	XX	BTXXXX97A	EPA 8260	2.5 U	1 U	1 U	1 U	3 U	5 U	5 U	0.5 U	0.75 U	0.75 U	0.75 U	0.5 U	5 U	0.5 U
7/10/2013	XX	BTXXXX97C	EPA 8260	2.5 U	1 U	1 U	1 U	3 U	5 U	5 U	0.5 U	0.75 U	0.75 U	0.75 U	0.5 U	5 U	0.5 U
10/22/2013	XX	BTXXXX9B9	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/22/2013	XX	BTXXXX9BD	EPA 624	5 U	2 U	2 U	5 U	5 U	50 U		1 U	2 U	2 U	2 U	2 U	10 U	2 U
4/28/2014	XX	BTXXXX9DD	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
7/14/2014	XX	BTXXXX9FE	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
9/30/2014	XX	BTXXXX9HC	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/1/2014	XX	BTXXXX9HF	EPA 624	5 U	2 U	2 U	5 U	5 U	50 U		1 U	2 U	2 U	2 U	2 U	10 U	2 U
4/15/2015	XX	BTXXXXA37	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
7/20/2015	XX	BTXXXXA5B	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U

SUMMARY REPORT

Groundwater VOAs Part 1 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT) Date	Type	Sample ID	Analytical Method (VOA) -	Chloromethane ug/L	Bromomethane ug/L	Vinyl Chloride ug/L	Chloroethane ug/L	Methylene Chloride ug/L	Acetone ug/L	Carbon Disulfide ug/L	1,1-Dichloroethene ug/L	1,1-Dichloroethane ug/L	trans-1,2-Dichloroethene ug/L	Chloroform ug/L	1,2-Dichloroethane ug/L	Methyl Ethyl Ketone ug/L	1,1,1-Trichloroethane ug/L
7/22/2015	XX	BTXXXXA5D	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/20/2015	XX	BTXXXXA7G	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
4/25/2016	XX	BTXXXXA9F	EPA 8260	2 U	2 U	2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
6/14/2016	XX	BTXXXXAA6	E624	5 U	2 U	2 U	5 U	5 U	50 U		1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	BTXXXXADE	EPA 8260	2 U	2 U	0.2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/17/2016	XX	BTXXXXADESIM	SW8260BSIM														
10/18/2016	XX	BTXXXXADF	EPA 8260	2 U	2 U	0.2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/18/2016	XX	BTXXXXADFSIM	SW8260BSIM														
10/19/2016	XX	BTXXXXADG	EPA 8260	2 U	2 U	0.2 U	5 U	5 U	10 U	5 U	1 U	2 U	2 U	2 U	2 U	10 U	2 U
10/19/2016	XX	BTXXXXADGSIM	SW8260BSIM														
4/24/2017	XX	BTXXXXAFE	SW8260C	2 U	2 U	2 U	5 U	5 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 6/6/2017 14:04

FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater VOAs Part 2 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW03-802B)			Carbon Tetrachloride	Vinyl Acetate	Bromodichloro methane	1,2-Dichloropropane	cis-1,3-Dichloropropene	Trichloroethene	Dibromochloro methane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloroethe ne	1,1,2,2-Tetrachloroetha ne
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW03-802B																	
7/22/2008	XX	GW802B725	2 U	15 U	2 U	2	2 U	6	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/21/2009	XX	GW802B79H	1 U	1 U	1 U	0.6 J	1 U	2.4	1 U	1 U	0.6 J	1 U	1 U	10 U	10 U	0.6 J	1 U
7/26/2010	XX	GW802B7J9	0.5 U	0.5 U	0.5 U	1.4	0.5 U	2.4	0.5 U	0.5 U	1.2	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
4/25/2016	XX	GW802BA97	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/17/2016	XX	GW802BAD6	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	2	2 U	2 U	10 U	10 U	2 U	2 U
4/24/2017	XX	GW802BAF6	1 U	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U
MW03-803A																	
7/22/2008	XX	GW803A726	2 U	15 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/21/2009	XX	GW803A79I	1 U	1 U	1 U	1 U	1 U	0.7 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/26/2010	XX	GW803A7JA	0.5 U	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
4/25/2016	XX	GW803AA98	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/17/2016	XX	GW803AAD7	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
4/24/2017	XX	GW803AAF7	1 U	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U
QCBT																	
5/21/2008	XX	BTXXXX71B	2 U	15 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/21/2008	XX	BTXXXX72G	2 U	15 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/22/2008	XX	BTXXXX72H	2 U	15 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/23/2008	XX	BTXXXX73G	2 U	15 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U
7/20/2009	XX	BTXXXX7A8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/21/2009	XX	BTXXXX7A9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/22/2009	XX	BTXXXX7B8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/26/2010	XX	BTXXXX800	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
7/27/2010	XX	BTXXXX801	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
7/28/2010	XX	BTXXXX810	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
4/13/2011	XX	BTXXXX8B3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
7/25/2011	XX	BTXXXX8EJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
7/26/2011	XX	BTXXXX8F4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
7/27/2011	XX	BTXXXX8F5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
10/18/2011	XX	BTXXXX8D1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
4/10/2012	XX	BTXXXX8J6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/9/2012	XX	BTXXXX918	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/10/2012	XX	BTXXXX91D	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
10/2/2012	XX	BTXXXX938	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
10/2/2012	XX	BTXXXXHG8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
4/8/2013	XX	BTXXXX95B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U
7/8/2013	XX	BTXXXX97A	0.5 U	5 U	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	2 U	5 U	5 U	0.5 U	0.5 U
7/10/2013	XX	BTXXXX97C	0.5 U	5 U	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	2 U	5 U	5 U	0.5 U	0.5 U
10/22/2013	XX	BTXXXX9B9	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/22/2013	XX	BTXXXX9BD	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
4/28/2014	XX	BTXXXX9DD	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
7/14/2014	XX	BTXXXX9FE	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
9/30/2014	XX	BTXXXX9HC	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/1/2014	XX	BTXXXX9HF	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
4/15/2015	XX	BTXXXXA37	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
7/20/2015	XX	BTXXXXA5B	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
7/22/2015	XX	BTXXXXA5D	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/20/2015	XX	BTXXXXA7G	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U

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FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater VOAs Part 2 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)			Carbon Tetrachloride	Vinyl Acetate	Bromodichloro methane	1,2-Dichloropropane	cis-1,3-Dichloropropene	Trichloroethene	Dibromochloro methane	1,1,2-Trichloroethane	Benzene	trans-1,3-Dichloropropene	Bromoform	4-Methyl-2-Pentanone	2-Hexanone	Tetrachloroethe ne	1,1,2,2-Tetrachloroetha ne
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4/25/2016	XX	BTXXXXA9F	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
6/14/2016	XX	BTXXXXAA6	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/17/2016	XX	BTXXXXADE	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/18/2016	XX	BTXXXXADF	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
10/19/2016	XX	BTXXXXADG	2 U	10 U	0.5 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	10 U	10 U	2 U	2 U
4/24/2017	XX	BTXXXXAFE	1 U	10 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	2 U	10 U	10 U	1 U	1 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

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FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater VOAs Part 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW03-802B) Date	Type	Sample ID	Toluene ug/L	Chlorobenzene ug/L	Ethylbenzene ug/L	Styrene ug/L	o-Xylene ug/L	m,p-Xylene ug/L	Tetrahydrofuran ug/L	Trichlorofluoromethane ug/L	cis-1,2-Dichloroethene ug/L	Bromochloromethane ug/L	Dibromomethane ug/L	1,2-Dibromoethane ug/L	1,1,1,2-Tetrachloroethane ug/L	1,2,3-Trichloropropane ug/L	1,2-Dibromo-3-Chloropropane ug/L
MW03-802B																	
7/22/2008	XX	GW802B725	2 U	2 U	2 U	2 U	2 U	2 U		2 U	18	2 U	2 U	2 U	2 U	2 U	2 U
7/21/2009	XX	GW802B79H	1 U	1 U	1 U	1 U	1 U	1 U		1 U	6.9	1 U	1 U	1 U	1 U	1 U	1 U
7/26/2010	XX	GW802B7J9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4/25/2016	XX	GW802BA97	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/17/2016	XX	GW802BAD6	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	4	2 U	2 U	2 U	2 U	2 U	2 U
10/17/2016	XX	GW802BAD6SIM												0.05 U		0.05 U	0.05 U
4/24/2017	XX	GW802BAF6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U
MW03-803A																	
7/22/2008	XX	GW803A726	2 U	2 U	2 U	2 U	2 U	2 U		2 U	1 J	2 U	2 U	2 U	2 U	2 U	2 U
7/21/2009	XX	GW803A79I	1 U	1 U	1 U	1 U	1 U	1 U		1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U
7/26/2010	XX	GW803A7JA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.57 J	0.5 U
4/25/2016	XX	GW803AA98	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/17/2016	XX	GW803AAD7	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/17/2016	XX	GW803AAD7SIM												0.05 U		0.05 U	0.05 U
4/24/2017	XX	GW803AAF7	1 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U
QCBT																	
5/21/2008	XX	BTXXXX71B	2 U	2 U	2 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/21/2008	XX	BTXXXX72G	2 U	2 U	2 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/22/2008	XX	BTXXXX72H	2 U	2 U	2 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/23/2008	XX	BTXXXX73G	2 U	2 U	2 U	2 U	2 U	2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/20/2009	XX	BTXXXX7A8	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/21/2009	XX	BTXXXX7A9	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/22/2009	XX	BTXXXX7B8	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/26/2010	XX	BTXXXX800	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
7/27/2010	XX	BTXXXX801	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
7/28/2010	XX	BTXXXX810	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4/13/2011	XX	BTXXXX8B3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
7/25/2011	XX	BTXXXX8EJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
7/26/2011	XX	BTXXXX8F4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
7/27/2011	XX	BTXXXX8F5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
10/18/2011	XX	BTXXXX8D1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4/10/2012	XX	BTXXXX8J6	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/9/2012	XX	BTXXXX918	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/10/2012	XX	BTXXXX91D	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/2/2012	XX	BTXXXX938	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/2/2012	XX	BTXXXXHG8	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/8/2013	XX	BTXXXX95B	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
7/8/2013	XX	BTXXXX97A	0.75 U	0.5 U	0.5 U	1 U	1 U	1 U		2.5 U	0.5 U	2.5 U	5 U	2 U	0.5 U	5 U	2.5 U
7/10/2013	XX	BTXXXX97C	0.75 U	0.5 U	0.5 U	1 U	1 U	1 U		2.5 U	0.5 U	2.5 U	5 U	2 U	0.5 U	5 U	2.5 U
10/22/2013	XX	BTXXXX9B9	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/22/2013	XX	BTXXXX9BD	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U						
4/28/2014	XX	BTXXXX9DD	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/14/2014	XX	BTXXXX9FE	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
9/30/2014	XX	BTXXXX9HC	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/1/2014	XX	BTXXXX9HF	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U						
4/15/2015	XX	BTXXXXA37	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
7/20/2015	XX	BTXXXXA5B	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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SUMMARY REPORT

Groundwater VOAs Part 3 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)			Toluene	Chlorobenzene	Ethylbenzene	Styrene	o-Xylene	m,p-Xylene	Tetrahydrofuran	Trichlorofluoromethane	cis-1,2-Dichloroethene	Bromochloromethane	Dibromomethane	1,2-Dibromoethane	1,1,1,2-Tetrachloroethane	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
7/22/2015	XX	BTXXXXA5D	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/20/2015	XX	BTXXXXA7G	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4/25/2016	XX	BTXXXXA9F	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
6/14/2016	XX	BTXXXXAA6	1 U	2 U	1 U	1 U	1 U	1 U		5 U	2 U						
10/17/2016	XX	BTXXXXADE	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/17/2016	XX	BTXXXXADESIM												0.05 U		0.05 U	0.05 U
10/18/2016	XX	BTXXXXADF	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/18/2016	XX	BTXXXXADFSIM												0.05 U		0.05 U	0.05 U
10/19/2016	XX	BTXXXXADG	1 U	2 U	1 U	1 U	1 U	1 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
10/19/2016	XX	BTXXXXADGSIM												0.05 U		0.05 U	0.05 U
4/24/2017	XX	BTXXXXAFE	1 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	1 U	1 U	1 U	2 U	1 U	0.5 U	2 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J - Analyte was positively identified/Associated value is an estimate.

U - Not Detected above the laboratory reporting limit.

REPORT PREPARED: 6/6/2017 14:04

FOR: Pinetree Landfill

SUMMARY REPORT

Groundwater VOAs Part 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(MW03-802B)			1,4-Dichlorobenzene	1,2-Dichlorobenzene	Acrylonitrile	Diethyl ether	trans-1,4-Dichloro-2-butene	Iodomethane
Date	Type	Sample ID	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW03-802B								
7/22/2008	XX	GW802B725	2 U	2 U	2 U		2 U	2 U
7/21/2009	XX	GW802B79H	1 U	1 U	1 U		1 U	1 U
7/26/2010	XX	GW802B7J9	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
4/25/2016	XX	GW802BA97	1 U	1 U	20 U	5 U	5 U	5 U
10/17/2016	XX	GW802BAD6	1 U	1 U	20 U	40	5 U	5 U
10/17/2016	XX	GW802BAD6SIM			0.25 U			
4/24/2017	XX	GW802BAF6	1 U	1 U	20 U	5 U	5 U	5 U
MW03-803A								
7/22/2008	XX	GW803A726	2 U	2 U	2 U		2 U	2 U
7/21/2009	XX	GW803A79I	1 U	1 U	1 U		1 U	1 U
7/26/2010	XX	GW803A7JA	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
4/25/2016	XX	GW803AA98	1 U	1 U	20 U	22	5 U	5 U
10/17/2016	XX	GW803AAD7	1 U	1 U	20 U	61	5 U	5 U
10/17/2016	XX	GW803AAD7SIM			0.25 U			
4/24/2017	XX	GW803AAF7	1 U	1 U	20 U	17	5 U	5 U
QCBT								
5/21/2008	XX	BTXXXX71B	2 U	2 U	2 U		2 U	2 U
7/21/2008	XX	BTXXXX72G	2 U	2 U	2 U		2 U	2 U
7/22/2008	XX	BTXXXX72H	2 U	2 U	2 U		2 U	2 U
7/23/2008	XX	BTXXXX73G	2 U	2 U	2 U		2 U	2 U
7/20/2009	XX	BTXXXX7A8	1 U	1 U	1 U		1 U	1 U
7/21/2009	XX	BTXXXX7A9	1 U	1 U	1 U		1 U	1 U
7/22/2009	XX	BTXXXX7B8	1 U	1 U	1 U		1 U	1 U
7/26/2010	XX	BTXXXX800	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
7/27/2010	XX	BTXXXX801	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
7/28/2010	XX	BTXXXX810	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
4/13/2011	XX	BTXXXX8B3	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
7/25/2011	XX	BTXXXX8EJ	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
7/26/2011	XX	BTXXXX8F4	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
7/27/2011	XX	BTXXXX8F5	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
10/18/2011	XX	BTXXXX8D1	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U
4/10/2012	XX	BTXXXX8J6	1 U	1 U	1 U		1 U	1 U
7/9/2012	XX	BTXXXX918	1 U	1 U	1 U		1 U	1 U
7/10/2012	XX	BTXXXX91D	1 U	1 U	1 U		1 U	1 U
10/2/2012	XX	BTXXXX938	1 U	1 U	1 U		1 U	1 U
10/2/2012	XX	BTXXXXHG8	1 U	1 U	1 U		1 U	1 U
4/8/2013	XX	BTXXXX95B	1 U	1 U	1 U		1 U	1 U
7/8/2013	XX	BTXXXX97A	2.5 U	2.5 U	5 U		2.5 U	
7/10/2013	XX	BTXXXX97C	2.5 U	2.5 U	5 U		2.5 U	
10/22/2013	XX	BTXXXX9B9	1 U	1 U	20 U		5 U	5 U
10/22/2013	XX	BTXXXX9BD	1 U	1 U	50 U			
4/28/2014	XX	BTXXXX9DD	1 U	1 U	20 U		5 U	5 U
7/14/2014	XX	BTXXXX9FE	1 U	1 U	20 U		5 U	5 U
9/30/2014	XX	BTXXXX9HC	1 U	1 U	20 U		5 U	5 U
10/1/2014	XX	BTXXXX9HF	1 U	1 U	50 U			
4/15/2015	XX	BTXXXXA37	1 U	1 U	20 U		5 U	5 U
7/20/2015	XX	BTXXXXA5B	1 U	1 U	20 U		5 U	5 U

SUMMARY REPORT

Groundwater VOAs Part 4 of 4

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(QCBT)

Date	Type	Sample ID	1,4-Dichlorobenzene ug/L	1,2-Dichlorobenzene ug/L	Acrylonitrile ug/L	Diethyl ether ug/L	trans-1,4-Dichloro-2-butene ug/L	Iodomethane ug/L
7/22/2015	XX	BTXXXXA5D	1 U	1 U	20 U		5 U	5 U
10/20/2015	XX	BTXXXXA7G	1 U	1 U	20 U		5 U	5 U
4/25/2016	XX	BTXXXXA9F	1 U	1 U	20 U	5 U	5 U	5 U
6/14/2016	XX	BTXXXXAA6	1 U	1 U	50 U			
10/17/2016	XX	BTXXXXADE	1 U	1 U	20 U	5 U	5 U	5 U
10/17/2016	XX	BTXXXXADESIM			0.25 U			
10/18/2016	XX	BTXXXXADF	1 U	1 U	20 U	5 U	5 U	5 U
10/18/2016	XX	BTXXXXADFSIM			0.25 U			
10/19/2016	XX	BTXXXXADG	1 U	1 U	20 U	5 U	5 U	5 U
10/19/2016	XX	BTXXXXADGSIM			0.25 U			
4/24/2017	XX	BTXXXXAFE	1 U	1 U	20 U	5 U	5 U	5 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the laboratory reporting limit.

5-26-17 HAB

Maine Environmental Laboratory

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Report Prepared for:
Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

Report Information:
Report ID: 518-170518-1300
Lab Batch ID: 518
Date of Issue: May 18, 2017

The complete report consists of the following parts:
Maine Environmental Laboratory report
Chain of Custody form

REPORT NARRATIVE:
Enclosed are results of the analyses for your samples as received by the laboratory. Results are for the exclusive use of the client named on the report and will not be released to a third party without written consent. This report shall not be reproduced except in full without the written consent of the laboratory.

Maine Environmental Laboratory is certified by the States of Maine (Cert. #2017007) and New Hampshire (NH ELAP) (Cert. #2031) and is TNI/NELAP accredited. Our USEPA Lab ID is ME00028. A list of certified parameters is available on request. Any subcontracted parameters were produced by a laboratory certified for the fields of testing performed, when available.

Unless otherwise noted:
-Samples were received in acceptable condition and analyzed within method hold times.
-All quality control data demonstrated acceptable limits.
-The results reported herein conform to the most current NELAP standards where applicable.
-Analysis of solids for pH, flash point, ignitability, paint filter, corrosivity, conductivity and specific gravity are reported on an "as-received" basis.
-Results for "immediate" field parameters tested at the lab such as pH were run outside of the EPA-recommended hold time.

DEFINITIONS:
LOQ / RL - The Limit of Quantitation / Reporting Limit is the minimum level for reporting quantitative data.
LOD / MDL - The Limit of Detection / Method Detection Limit is the minimum level for reporting estimated data.
J - Data reported between the Limit of Quantitation and Limit of Detection is J-flagged as "estimated."
ND - Not Detected
B – Detected in QC blank
S – Detection Limits increased due to sample matrix
N/A - RPD cannot be calculated because the sample result was below the LOQ.
D1 – Relative Percent Difference (RPD) cannot be calculated because the sample result was below the LOQ.
4X – Native sample concentration was greater than 4 times the spike concentration so the spike added could not be distinguished from the native concentration.
% Rec – Percent Recovery

METHOD REFERENCES:
SM2320B: Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
SM2540C: Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
SW3010A: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW6010B: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW9056: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW9060A: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.

This report has been reviewed and authorized by Jacquelyn R. Villinski, Laboratory Director: Jacquelyn R. Villinski

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 518-170518-1300
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW200XAE8
Sample date: 04/26/17 9:05
Sample matrix: GW - grab
Laboratory ID: 170426M001

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	190	mgCaCO3/L	05/08/17	12:30	2.5	SM2320B	DJC
TDS	231	mg/L	04/27/17	13:50	10	SM2540C	CTP
Arsenic, total	0.025	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	54	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	5.2	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	7.3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	6.0	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	6.9	mg/L	05/02/17	7:41	1	SW9056	JAB
Sulfate	8.4	mg/L	05/02/17	7:41	2	SW9056	JAB
TOC	2.5	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: TDS: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.
Ca, Fe, Mg, K, Na, As: A matrix spike was performed on the sample. % Recovery was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 518-170518-1300
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW123XAE5
Sample date: 04/26/17 10:30
Sample matrix: GW - grab
Laboratory ID: 170426M002

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	400	mgCaCO3/L	05/08/17	12:30	2.5	SM2320B	DJC
TDS	823	mg/L	04/27/17	13:50	10	SM2540C	CTP
Arsenic, total	0.011	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	130	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	1.1	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	44	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	4.1	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	90	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	210	mg/L	05/02/17	7:41	6	SW9056	JAB
Sulfate	72	mg/L	05/02/17	7:41	2	SW9056	JAB
TOC	5.3	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 518-170518-1300
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GWDP1XAEA
Sample date: 04/26/17 0:00
Sample matrix: GW - grab
Laboratory ID: 170426M003

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	190	mgCaCO3/L	05/08/17	12:30	2.5	SM2320B	DJC
TDS	229	mg/L	04/27/17	13:50	10	SM2540C	CTP
Arsenic, total	0.029	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	52	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	6.3	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	7.2	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	5.8	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	7.1	mg/L	05/02/17	7:41	1	SW9056	JAB
Sulfate	8.3	mg/L	05/02/17	7:41	2	SW9056	JAB
TOC	2.3	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Cl, SO4: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.
Alk, Cl, SO4: A matrix spike was performed on the sample. % Recovery was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 518-170518-1300
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: LTLCSXAF3
Sample date: 04/26/17 9:30
Sample matrix: L - grab
Laboratory ID: 170426M004

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	5,400	mgCaCO3/L	05/08/17	12:30	2.5	SM2320B	DJC
TDS	20676	mg/L	04/27/17	13:50	10	SM2540C	CTP
Arsenic, total	0.35	mg/L	05/17/17	13:40	0.05	SW3010A/SW6010B	DWS
Calcium, total	150	mg/L	05/17/17	8:35	1.5	SW3010A/SW6010B	DWS
Iron, total	8.2	mg/L	05/17/17	8:35	0.25	SW3010A/SW6010B	DWS
Magnesium, total	190	mg/L	05/17/17	8:35	1.5	SW3010A/SW6010B	DWS
Potassium, total	2116	mg/L	05/17/17	8:35	15	SW3010A/SW6010B	DWS
Sodium, total	5,700	mg/L	05/17/17	8:35	15	SW3010A/SW6010B	DWS
Chloride	24,000	mg/L	05/02/17	7:41	200	SW9056	JAB
Sulfate	640	mg/L	05/02/17	7:41	2	SW9056	JAB
TOC	ND	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Alk: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
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P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 518-170518-1300
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: LTPDPXAF2
Sample date: 04/26/17 8:30
Sample matrix: L - grab
Laboratory ID: 170426M005

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	530	mgCaCO3/L	05/08/17	12:30	2.5	SM2320B	DJC
TDS	736	mg/L	04/27/17	13:50	10	SM2540C	CTP
Arsenic, total	0.29	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	85	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	11	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	26	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	34.1	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	130	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	140	mg/L	05/02/17	7:41	15	SW9056	JAB
Sulfate	11	mg/L	05/02/17	7:41	2	SW9056	JAB
TOC	33	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Ca, Fe, Mg, K, Na, As: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.

Maine Environmental Laboratory

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

Report Date: 5/18/2017

Report No.: 518-170518-1300

QC Data
Method Blanks and Laboratory Control Samples

Analyte	QCType	Result	Value	Units	Max	Min
Arsenic, total	LCS - AQ	Recovery	112	%	121	79
Arsenic, total	LCS - AQ	Recovery	96	%	121	79
Arsenic, total	LCS - AQ	Recovery	98	%	121	79
Arsenic, total	LCS - AQ	Recovery	116	%	121	79
Arsenic, total	LCS - AQ	Recovery	95	%	121	79
Arsenic, total	Method Blank - AQ	Concentration	0.0010 U	mg/L	0.0055	
Bicarbonate Alkalinity	LCS - AQ	Recovery	101	%	121	79
Bicarbonate Alkalinity	LCS - AQ high	Recovery	100	%	121	79
Bicarbonate Alkalinity	Method Blank - AQ	Concentration	0 U	mg/L	2.6	
Calcium, total	LCS - AQ	Recovery	91	%	121	79
Calcium, total	LCS - AQ	Recovery	92	%	121	79
Calcium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Calcium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Chloride	LCS - AQ	Recovery	96	%	111	89
Chloride	Method Blank - AQ	Concentration	0.029 U	mg/L	0.34	
Iron, total	LCS - AQ	Recovery	99	%	121	79
Iron, total	LCS - AQ	Recovery	103	%	121	79
Iron, total	Method Blank - AQ	Concentration	0 U	mg/L	0.054	
Iron, total	Method Blank - AQ	Concentration	0 U	mg/L	0.054	
Magnesium, total	LCS - AQ	Recovery	96	%	121	79
Magnesium, total	LCS - AQ	Recovery	97	%	121	79
Magnesium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Magnesium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Potassium, total	LCS - AQ	Recovery	91	%	121	79
Potassium, total	LCS - AQ	Recovery	93	%	121	79
Potassium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Potassium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Sodium, total	LCS - AQ	Recovery	87	%	121	79
Sodium, total	LCS - AQ	Recovery	91	%	121	79
Sodium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Sodium, total	Method Blank - AQ	Concentration	0 U	mg/L	0.34	
Sulfate	LCS - AQ	Recovery	100	%	111	89
Sulfate	Method Blank - AQ	Concentration	0.18 U	mg/L	0.64	
TDS	LCS - AQ	Recovery	101	%	121	79
TDS	Method Blank - AQ	Concentration	4.0 U	mg/L	10.4	
TOC	LCS - AQ	Recovery	101	%	121	79
TOC	Method Blank - AQ	Concentration	0.084	mg/L	2.4	

WED

518 SAM

CHAIN-OF-CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829-5016 • FAX (207)829-5692

CLIENT:	PROJECT NAME: PTL	PROJECT/ P.O. #: 17005.00	FILTERED (Y/N) N N N
REPORT TO: Dave Maher	ADDRESS: See Above		PRESERVED 1 4 3
INVOICE TO:	ADDRESS: " "		ANALYSIS REQUIRED
SAMPLED BY: (PRINT) P Sevee	SAMPLER SIGNATURE: [signature]		

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W-WATER L-LIQUID S-SOLID	TOTAL NUMBER OF CONTAINERS	INO-16	INO-21	INO-3X	REMARKS	LAB SAMPLE #
1	GW2ØØXAE8	4-26-17	905	G	W	3	1	1	1	170426M001 See pg 2 of 2	1704 for 26 M001 1
2	GW123XAE5	↓	1030	↓	↓	3	1	1	1	170426M002 Cooler / method	M002 2
3	GWDP1XAEA	↓	–	↓	↓	3	1	1	1	M003 / Info	M003 3
4	LTLCSXAF3	↓	930	↓	↓	3	1	1	1	M004	M004 4
5	LTPDPXAF2	↓	830	↓	↓	3	1	1	1	M005	M005 5
6											
7											
8											
9											
10											
11											
12											
13										cooler temp = 3.5°C KH 4/26/17	
14											
15											

RELINQUISHED BY: [signature]	DATE: 4-26-17	TIME: 1200	RECEIVED BY: K Happe	DATE: 4/26/17	TIME: 1200
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

518 SAM

Pg 20 of 2

ANALTICAL METHOD LIST FOR SELECTED SAMPLES

Pinetree Landfill

Code	Name	# Bottles	Bottle Size	Preservative	Filtered	Hold Time (days)
Round: 113						
FP	FIELD PARAMETERS	1	1000 ML(P)		No	
INO-16	CL,SO4,BICARBONATE,TDS	1	1000 ML(P)	4C	No	7
INO-2L	TOC - unfiltered	1	40 ML(G)	4 C, H2SO4 to pH<2	No	28
INO-3X	As,Ca,Fe,Mg,Na,K	1	250 ML(P)	4C HNO3 ph<2	No	180
INO-3Y	Ca,Fe,Mg,Na,K,As,Pb,Mn,Ni,Co	1	250 ML(P)	4C HNO3 ph<2	No	180
METHANE, [redacted]	METHANE [redacted]	2	40 ML(G)	4C,H2SO4	No	7
VOA-8260	USEPA-8260 LL,47 ORG. CONSTIT. APPEND.I,40 CFR,258	4	40 ml (G)	4 C, HCL to pH<2	No	14

ATTACHMENT 3

SME
Sevee & Maher Engineers, Inc.

SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
PRIVATE WELL

SITE ID: PTC

SAMPLE DATE: 4-24-17

SAMPLE LOCATION: DW-04-109

SAMPLE TIME: 1545

SAMPLE ID: DW-109-X-AFB

SAMPLER: B.C.

MAILING ADDRESS: Old Cold Brook Rd

ZIP CODE

PROPERTY ADDRESS:

TAX MAP: LOT NO.:

SAMPLE APPEARANCE/ODOR Clear

TEMPERATURE 9.5 C

pH 9.1

Turbidity 3.3

CONDUCTIVITY 217 µmhos/cm

E_H 40 mV

DISS. OX. 2.9 mg/L

E_H OFFSET Ø mV

INSTRUMENTS CALIBRATED (date) 4-24-17

DUPLICATE SAMPLE COLLECTED (Y/N) No IF YES, SAMPLE ID —

SAMPLE BOTTLES FILLED (ID) — 7 (SEE COC)

WELL DESCRIPTION:

W.L. 33.52

NOTES:

TOTAL ALKALINITY No

PURGE RATE No

PURGE TIME No

DW1197.DOC
August 20, 2001

SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
PRIVATE WELL

SITE ID: PTC

SAMPLE DATE: 4-24-17

SAMPLE LOCATION: DW-103 (Walker)

SAMPLE TIME: 1100

SAMPLE ID: DW-103-X-AFA

SAMPLER: B.L.

MAILING ADDRESS: 5 Old Cold Brook Rd.

ZIP CODE

PROPERTY ADDRESS:

TAX MAP: LOT NO.:

SAMPLE APPEARANCE/ODOR Clear

TEMPERATURE 11.0 C

pH 7.9

Turbidity 2.6

CONDUCTIVITY 411 µmhos/cm

E_H -82 mV

DISS. OX. 1.5 mg/L

E_H OFFSET Ø mV

INSTRUMENTS CALIBRATED (date) 4-24-17

DUPLICATE SAMPLE COLLECTED (Y/N) Yes IF YES, SAMPLE ID DW-DP3-X-AFD

SAMPLE BOTTLES FILLED (ID) (SEE COC)

WELL DESCRIPTION:

☆ Sample Taken at Kitchen Faucet.

NOTES:

TOTAL ALKALINITY NA

PURGE RATE 15 min.

PURGE TIME 2.0 GPM

SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER/LEACHATE

SITE ID: PTL
SAMPLE DATE: 4-26-17
SAMPLE LOCATION: LCS-3C
SAMPLE TIME: 930

SAMPLE ID LT-LCS-X-AF3
WATER BODY/STRUCTURE SAMPLED Pumphouse
SAMPLE COLLECTION METHOD Grab
DEPTH @ SAMPLE SITE From spigot
DEPTH OF SAMPLE
DECON (Y/N) lab bottles
FLOW RATE/VELOCITY

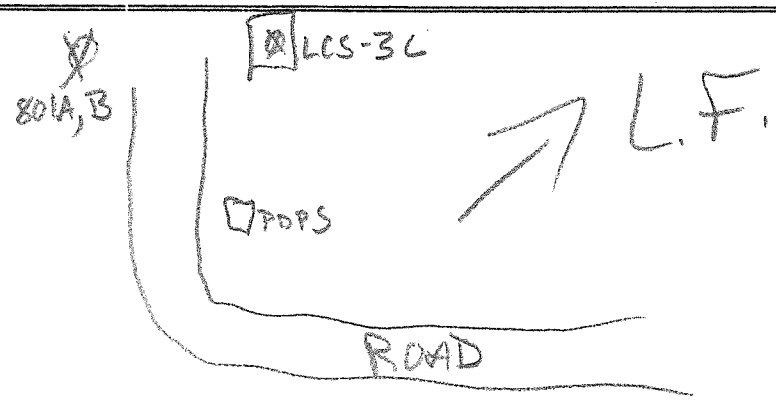
SAMPLE APPEARANCE/ODOR Black, odor
TEMPERATURE 20.7 C
pH 6.5
CONDUCTIVITY 43,500 µmhos/cm
E_H -81 mV
DISS. OX. 1.0 mg/L
E_H OFFSET mV
TURBIDITY 2.3 NTU

INSTRUMENTS CALIBRATED (date) 4-26-17
DUPLICATE SAMPLE COLLECTED (Y/N) NO IF YES, SAMPLE ID
SAMPLE BOTTLES FILLED (ID) (SEE COC)

NOTES:

SAMPLER: PAS

LOCATION SKETCH



SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER/LEACHATE

SITE ID: PIL
SAMPLE DATE: 4-26-17
SAMPLE LOCATION: PDPS
SAMPLE TIME: 830

SAMPLE ID LT-PDP-X-AF2
WATER BODY/STRUCTURE SAMPLED Manhole
SAMPLE COLLECTION METHOD Geotech
DEPTH @ SAMPLE SITE
DEPTH OF SAMPLE
DECON (Y/N) lab bottles
FLOW RATE/VELOCITY

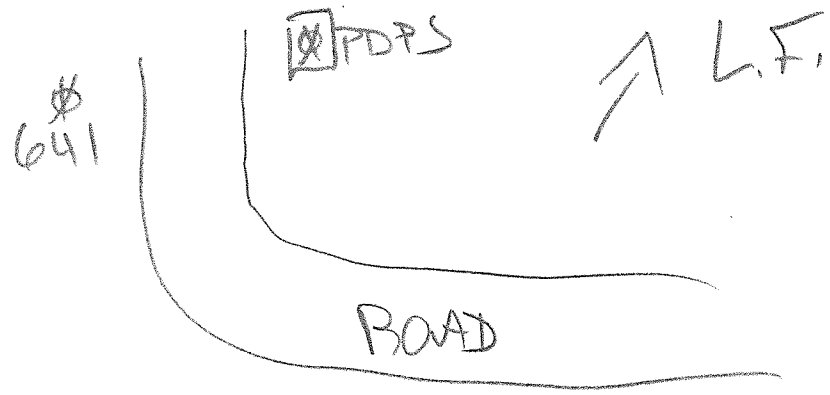
SAMPLE APPEARANCE/ODOR Slight color, ODER
TEMPERATURE 11.4 C 4A
pH 6.2 4A
CONDUCTIVITY 1497 µmhos/cm 1
E_H -50 mV 7
DISS. OX. 1.0 mg/L Chem.T
E_H OFFSET 0 mV
TURBIDITY 1.8 NTU F

INSTRUMENTS CALIBRATED (date) 4-26-17
DUPLICATE SAMPLE COLLECTED (Y/N) NO IF YES, SAMPLE ID
SAMPLE BOTTLES FILLED (ID) (SEE COC)

NOTES:

SAMPLER: PAS

LOCATION SKETCH



SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER

SITE ID: PTC

SAMPLE DATE / TIME : 4-25-17 / 0900

SAMPLE LOCATION: SW-A

SAMPLER : BL.

SAMPLE ID SWXXAXAEI

WATER BODY SAMPLED Sow River

SAMPLE COLLECTION METHOD Grab

DEPTH @ SAMPLE SITE 1'

DEPTH OF SAMPLE 2"

DECON (Y/N) Lab Bottles

FLOW RATE/VELOCITY High

SAMPLE APPEARANCE/ODOR Clear

TEMPERATURE 8.0 C

E_H 87 mV

CONDUCTIVITY 81 µmhos/cm

E_H OFFSET Ø mV

DISS. OX. 11.2 mg/L

PHENOLTHALIEN ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

TURBIDITY 1.2 NTU

TOTAL ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

pH 8.7

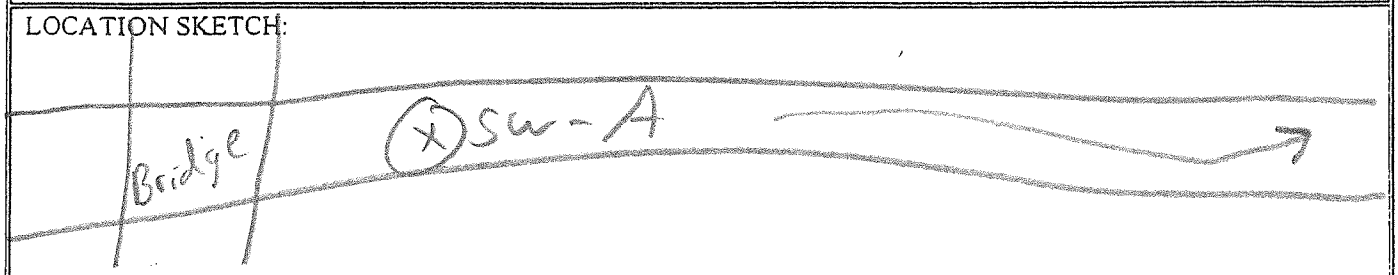
INSTRUMENTS CALIBRATED (date) 4-25-17

DUPLICATE SAMPLE COLLECTED (Y/N) Na IF YES, SAMPLE ID —

SAMPLE BOTTLES FILLED (ID) → (SEE COC)

NOTES:

LOCATION SKETCH:



SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER

SITE ID: PTL

SAMPLE DATE / TIME : 4-25-17 / 0930

SAMPLE LOCATION: SW-C

SAMPLER : B.L.

SAMPLE ID SW-XXC-X-AEJ

WATER BODY SAMPLED Sow River

SAMPLE COLLECTION METHOD Grab

DEPTH @ SAMPLE SITE 10"

DEPTH OF SAMPLE 2"

DECON (Y/N) Lab Bottles

FLOW RATE/VELOCITY High

SAMPLE APPEARANCE/ODOR Clear

TEMPERATURE 8.2 C

E_H 164 mV

CONDUCTIVITY 71 µmhos/cm

E_H OFFSET Ø mV

DISS. OX. 9.9 mg/L

PHENOLTHALIEN ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

TURBIDITY 0.8 NTU

TOTAL ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

pH 7.6

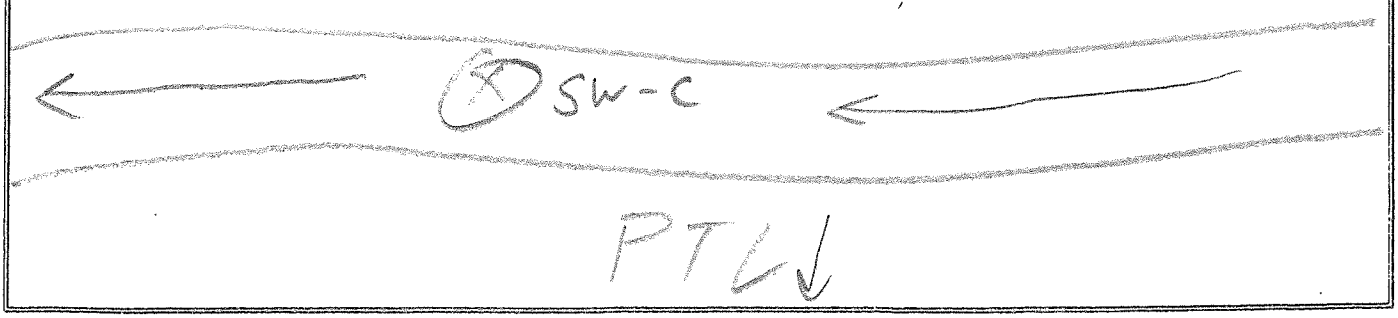
INSTRUMENTS CALIBRATED (date) 4-25-17

DUPLICATE SAMPLE COLLECTED (Y/N) Na IF YES, SAMPLE ID —

SAMPLE BOTTLES FILLED (ID) → (SEE COC)

NOTES:

LOCATION SKETCH:



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January 31, 2000

SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER

SITE ID: PTC
SAMPLE DATE / TIME: 4-25-17/0800
SAMPLE LOCATION: SW-D
SAMPLER: B.L.

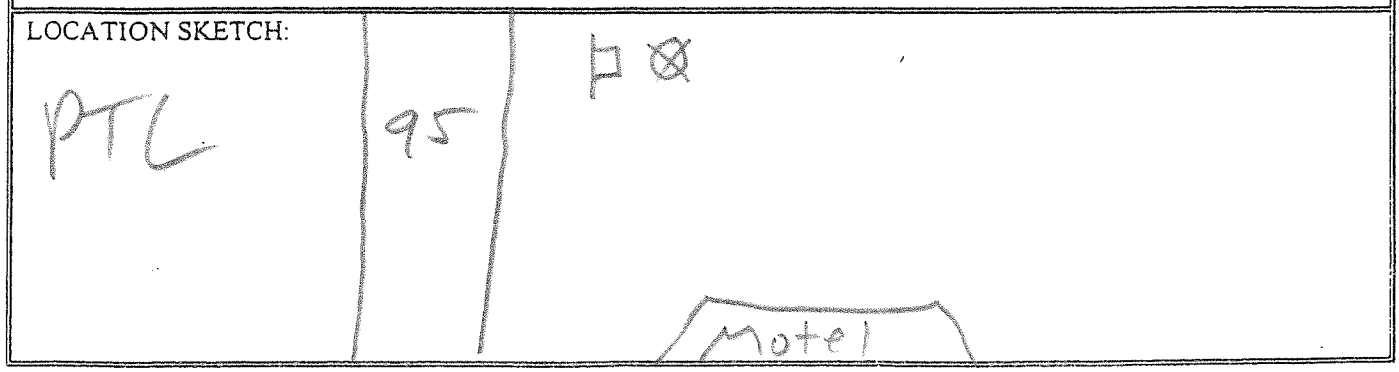
SAMPLE ID SW-XXD-X-AFO
WATER BODY SAMPLED Stream
SAMPLE COLLECTION METHOD Grab
DEPTH @ SAMPLE SITE 4"
DEPTH OF SAMPLE 2"
DECON (Y/N) Lab Bottles
FLOW RATE/VELOCITY Moderate

SAMPLE APPEARANCE/ODOR Clear
TEMPERATURE 5.8 C
E_H 104 mV
CONDUCTIVITY 368 µmhos/cm
E_H OFFSET Ø mV
DISS. OX. 11.9 mg/L
PHENOLTHALIEN ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L
TURBIDITY 1.1 NTU
TOTAL ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L
pH 7.7

INSTRUMENTS CALIBRATED (date) 4-25-17
DUPLICATE SAMPLE COLLECTED (Y/N) Yes IF YES, SAMPLE ID SW-DP2-X-AEB
SAMPLE BOTTLES FILLED (ID) ___ (SEE COC)

NOTES:

LOCATION SKETCH:



SEVEE & MAHER ENGINEERS, INC.
SAMPLE DATA RECORD
SURFACE WATER

SITE ID: PTL

SAMPLE DATE / TIME: 4-25-17/0830

SAMPLE LOCATION: SW-E

SAMPLER: B.L.

SAMPLE ID SW-XXE-X-AF1

WATER BODY SAMPLED Stream

SAMPLE COLLECTION METHOD Grab

DEPTH @ SAMPLE SITE 8"

DEPTH OF SAMPLE 2"

DECON (Y/N) Lab Bottles

FLOW RATE/VELOCITY Moderate

SAMPLE APPEARANCE/ODOR Clear

TEMPERATURE 6.3 C

E_H 100 mV

CONDUCTIVITY 529 µmhos/cm

E_H OFFSET Ø mV

DISS. OX. 11.9 mg/L

PHENOLTHALIEN ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

TURBIDITY 1.3 NTU

TOTAL ALKALINITY Na (# of drops) x ___ (mg/L per drop) = ___ mg/L

pH 7.8

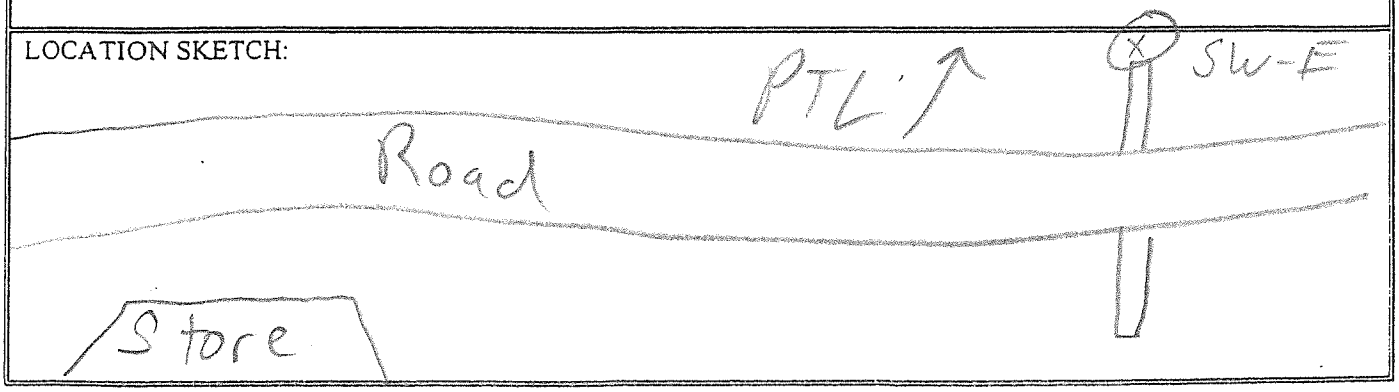
INSTRUMENTS CALIBRATED (date) 4-25-17

DUPLICATE SAMPLE COLLECTED (Y/N) Na IF YES, SAMPLE ID —

SAMPLE BOTTLES FILLED (ID) (SEE COC)

NOTES:

LOCATION SKETCH:



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January 31, 2000

FIELD INSTRUMENT CALIBRATION
DAILY OPERATING LOG

CLIENT:

DATE/TIME: 4-24-17 630

PROJECT SITE: FTL

JOB NUMBER: 17005.00

Meter Set	INSTRUMENT	MODEL ID NUMBER	UNIT ID NUMBER	STANDARD(S) USED FOR CALIBRATION*1	WAS CALIBRATION SUCCESSFULLY COMPLETED? (IF YES, PLACE ✔IN APPROPRIATE AREA) (For ORP, Place Results Of Calibration In Appropriate Box)		MIDDAY STANDARD(S) CHECK*1 (Check off Appropriate Standard if Meter is in Calibration		OPERATOR INITIALS
							Standard	Reading	
A	pH	YSI PRO PLUS	SME001	4.01 7.00	4 ✓ reading 4.03 7 ✓ reading 7.00 10 ___ reading		7.00	7.00	PS
	Specific Conductivity	YSI PRO PLUS	SME001	1413 Microsiemens	✓ reading 1413		1413 Microsiemens	1413	
	DO	YSI PRO PLUS	SME001	✓ 100% ✓ ZERO	✓ 100% reading 100.5 ✓ ZERO reading 0.01		100%	100.5	✓
	ORP	YSI PRO PLUS	SME001	240 Mv ORP Solution	✓ 240 Mv	Reading 240.1	240 Mv ORP	240	
	Turbidity	LaMotte 2020we	Box: F	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	✓ 1 NTU ___ 10 NTU	✓ 1 NTU ___ 10 NTU	
B	pH	YSI PRO PLUS	SME002	4.01 7.00	4 ✓ reading 4.00 7 ✓ reading 7.00 10 ✓ reading		7.00	7.00	B.C
	Specific Conductivity	YSI PRO PLUS	SME002	1413 Microsiemens	✓ reading 1411		1413 Microsiemens	1413	
	DO	YSI PRO PLUS	SME002	✓ 100% ✓ ZERO	✓ 100% reading 100.1 ✓ ZERO reading 0.01		100%	100.3	✓
	ORP	YSI PRO PLUS	SME002	240 Mv ORP Solution	✓ 240 Mv	Reading 240	240 Mv ORP	240	
	Turbidity	LaMotte 2020we	Box: SME002	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	✓ 1 NTU ___ 10 NTU	✓ 1 NTU ___ 10 NTU	

*1 Calibration of meters is completed once daily before work starts – a standards check for pH, conductivity and turbidity should be completed midway through each day or if a particular field value falls outside of historic ranges.

ADDITIONAL NOTES:

FIELD INSTRUMENT CALIBRATION
DAILY OPERATING LOG

CLIENT:

DATE/TIME: 4-25-17 630

PROJECT SITE: PTL

JOB NUMBER: 17005.00

Meter Set	INSTRUMENT	MODEL ID NUMBER	UNIT ID NUMBER	STANDARD(S) USED FOR CALIBRATION*1	WAS CALIBRATION SUCCESSFULLY COMPLETED? (IF YES, PLACE ✔IN APPROPRIATE AREA) (For ORP, Place Results Of Calibration In Appropriate Box)		MIDDAY STANDARD(S) CHECK*1 (Check off Appropriate Standard if Meter is in Calibration		OPERATOR INITIALS
							Standard	Reading	
A	pH	YSI PRO PLUS	SME001	4.01 7.00	4 ✓ reading 4.00 7 ✓ reading 7.03 10 ___ reading ___		7.00	7.00	PS
	Specific Conductivity	YSI PRO PLUS	SME001	1413 Microsiemens	✓ reading 1413		1413 Microsiemens	1413	
	DO	YSI PRO PLUS	SME001	✓ 100% ✓ ZERO	✓ 100% reading 100.1 ✓ ZERO reading 0.03		100%	100.3	
	ORP	YSI PRO PLUS	SME001	240 Mv ORP Solution	✓ 240 Mv	Reading 240	240 Mv ORP	240	
	Turbidity	LaMotte 2020we	Box: F	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	✓ 1 NTU ___ 10 NTU	✓ 1 NTU ___ 10 NTU	
B	pH	YSI PRO PLUS	SME002	4.01 7.00	4 ✓ reading 4.00 7 ✓ reading 7.00 10 ___ reading ___		7.00	7.00	BL
	Specific Conductivity	YSI PRO PLUS	SME002	1413 Microsiemens	✓ reading 1413		1413 Microsiemens	1413	
	DO	YSI PRO PLUS	SME002	✓ 100% ✓ ZERO	✓ 100% reading 100.3 ✓ ZERO reading 0.01		100%	99.3	
	ORP	YSI PRO PLUS	SME002	240 Mv ORP Solution	✓ 240 Mv	Reading 240.1	240 Mv ORP	240	
	Turbidity	~~LaMotte 2020we~~ HACH	Box: SME002	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	✓ 1 NTU ___ 10 NTU	✓ 1 NTU ___ 10 NTU	

*1 Calibration of meters is completed once daily before work starts – a standards check for pH, conductivity and turbidity should be completed midway through each day or if a particular field value falls outside of historic ranges.

ADDITIONAL NOTES:

FIELD INSTRUMENT CALIBRATION
DAILY OPERATING LOG

CLIENT:

DATE/TIME: 4-26-17 600

PROJECT SITE: PTL

JOB NUMBER: 17005.00

Meter Set	INSTRUMENT	MODEL ID NUMBER	UNIT ID NUMBER	STANDARD(S) USED FOR CALIBRATION*1	WAS CALIBRATION SUCCESSFULLY COMPLETED? (IF YES, PLACE ✔IN APPROPRIATE AREA) (For ORP, Place Results Of Calibration In Appropriate Box)		MIDDAY STANDARD(S) CHECK*1 (Check off Appropriate Standard if Meter is in Calibration		OPERATOR INITIALS
							Standard	Reading	
A	pH	YSI PRO PLUS	SME001	4.01 7.00 ___	4 ✓ reading 4.00 7 ✓ reading 7.00 10 ___ reading ___		___ ___ ___	___ ___ ___	PS
	Specific Conductivity	YSI PRO PLUS	SME001	1413 Microsiemens	✓ reading 1411		___ Microsiemens	___	
	DO	YSI PRO PLUS	SME001	✓ 100% ✓ ZERO	✓ 100% reading 100.9 ✓ ZERO reading 0.03		100%	___	
	ORP	YSI PRO PLUS	SME001	240 Mv ORP Solution	✓ 240 Mv	Reading 240	240 Mv ORP	___	✓
	Turbidity	LaMotte 2020we	Box: F	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	___ 1 NTU ___ 10 NTU	___ 1 NTU ___ 10 NTU	
B	pH	YSI PRO PLUS	SME002	4.01 7.00 ___	4 ✓ reading 4.05 7 ✓ reading 7.00 10 ___ reading ___		___ ___ ___	___ ___ ___	B.L
	Specific Conductivity	YSI PRO PLUS	SME002	1413 Microsiemens	✓ reading 1413		___ Microsiemens	___	
	DO	YSI PRO PLUS	SME002	✓ 100% ✓ ZERO	✓ 100% reading 99.9 ✓ ZERO reading 0.01		100%	___	
	ORP	YSI PRO PLUS	SME002	240 Mv ORP Solution	✓ 240 Mv	Reading 240	240 Mv ORP	___	✓
	Turbidity	~~LaMotte~~ HACH 2020we	Box: SME002	✓ 1.0 NTU ✓ 10 NTU	1.0 reading	10.0 reading	___ 1 NTU ___ 10 NTU	___ 1 NTU ___ 10 NTU	

*1 Calibration of meters is completed once daily before work starts – a standards check for pH, conductivity and turbidity should be completed midway through each day or if a particular field value falls outside of historic ranges.

ADDITIONAL NOTES:

Mon

CHAIN–OF–CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829–5016 • FAX (207)829–5692

CLIENT:

PROJECT NAME: PTL

PROJECT/ P.O. #: 17005.00

REPORT TO: Dave Maher

ADDRESS: See Above

INVOICE TO:

ADDRESS: " "

SAMPLED BY: (PRINT) P Sevee

SAMPLER SIGNATURE:

FILTERED (Y/N): N N N N N N

PRESERVED: 1 4 3 3 4 2

ANALYSIS REQUIRED

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W–WATER L–LIQUID S–SOLID	TOTAL NUMBER OF CONTAINERS	INO-16	INO-2L	INO-3X	INO-3Y	METHANE	VOA-8260			REMARKS	LAB SAMPLE #
1	GW8Ø1AAEC	4-24-17	1345	G	W	3	1	1	1	–	–	–			See pg 3 of 3 for color / method	
2	GW8Ø2AAED		1445			3	1	1	1	–	–	–				
3	GW8Ø2BAF6		1345			8	1	1	–	1	2	3				INFO
4	GW8Ø3AAF7		915			8	1	1	–	1	2	3				
5	GW8Ø3BAEE		959			3	1	1	1	–	–	–				
6	GW914AAEH		1100			3	1	1	1	–	–	–				
7	DW1Ø9XAFB		1545			2	–	–	–	–	2	–				
8	DW1Ø3XAFA		1100			2	–	–	–	–	2	–				
9	DWDP3XAFD		–			2	–	–	–	–	2	–				
10	BTXXXXAFE		800			5	–	–	–	–	2	3				
11																
12																
13																
14																
15																

RELINQUISHED BY:	DATE: 4-25-17	TIME: 1630	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

TUES

CHAIN–OF–CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829–5016 • FAX (207)829–5692

CLIENT:

PROJECT NAME: PTL

PROJECT/ P.O. #: 17005.00

REPORT TO: Dave Maher

ADDRESS: See Above

INVOICE TO:

ADDRESS: " "

SAMPLED BY: (PRINT) P Sovko

SAMPLER SIGNATURE:

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W–WATER L–LIQUID S–SOLID	TOTAL NUMBER OF CONTAINERS	FILTERED (Y/N) N	N	N						REMARKS	LAB SAMPLE #
							PRESERVED 1	4	3							
							ANALYSIS REQUIRED INO-1G	INO-2L	INO-3X							
1	GW5Ø9BAE6	4-25-17	845	G	W	3	1	1	1						See pg 3 of 3	FOR
2	GW516BAE4		1145			3	1	1	1						Codes/ method	
3	GW641XAE9		1345			3	1	1	1							/INFO
4	GW9Ø6BAEG		1105			3	1	1	1							
5	GW916XAE7		1530			3	1	1	1							
6	GW917XAEF		1415			3	1	1	1							
7	SWXXAXAEI		900			3	1	1	1							
8	SWXXCXAEJ		930			3	1	1	1							
9	SWXXDXAFØ		800			3	1	1	1							
10	SWXXEXAF1		830			3	1	1	1							
11	SWDP2XAEB		—			3	1	1	1							
12																
13																
14																
15																

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	4-25-17	1630			
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

MONITORING WELL SAMPLE PURGING FORM

(page 1 of ___)

SITE: PTC

PROJECT NO: 17005.00 DATE: 4-26-17

SAMPLE LOCATION: 200

WEATHER: Rain 48°F

SAMPLE ID: GW 200 X AE8

START TIME: 0800 END: 0915

(DUPS) GW DP1 X AEA

TRIP BLANK ID: SCC CSC

WELL DEPTH: 20.20 FT

( ) TOP OF WELL ( ) TOP OF CASING

( ) MEASURED (X) HISTORICAL

WATER DEPTH: 6.70 FT

(X) TOP OF WELL ( ) TOP OF CASING

( ) MEASURED ( ) HISTORICAL

CONDITION OF WELL:

SURFACE SEAL: (X) GOOD ( ) CRACKED

( ) OTHER: _____

PROTECTIVE CASING: ( ) LOCKED

( ) NO LOCK

( ) SECURE

( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 6.6

TUBING DIAMETER 1.7 (ID)

SCREENED INTERVAL (TPVC) 1.6 TO 21.6

WELL: (X) CAP ( ) NO CAP

WELL MATL: (X) PVC ( ) SS ( ) OTHER: _____

PUMPING START TIME: 0815

PUMPING END TIME: 0905

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. _____
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
( )	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER

( ) TAP WATER

( ) NON-PHOSPHATE DETERGENT

( ) 10% NITRIC ACID

( ) HIGH-PRESSURE STEAM CLEAN

( ) _____

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: N

AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: _____

NOTES: _____

SAMPLED BY: B.C.

MONITORING WELL SAMPLE PURGING FORM - PART II

(page 2 of 2)

SITE: PTC DATE: 4-26-17

SAMPLE LOCATION: 200 ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			100' Heron		3		Y SI	002			
Model ID :				Na		*	See	cal.	Sheet		
0		200	6.70								
5	1.0		6.75		12.2	7.2	376	4.4	0.1	-79	
10	2.0		6.78		10.1	7.2	374	4.4	0.1	-80	
15	3.0		6.80		5.4	7.2	370	4.6	0.1	-84	
18	3.6		6.83		3.9	7.2	368	4.6	0.1	-86	
21	4.2		6.84		3.8	7.2	365	4.7	0.1	-88	
24	4.8	200	6.85		3.1	7.2	363	4.4	0.1	-90	
27	5.4		6.85		2.9	7.2	361	4.8	0.1	-94	
30	6.0		6.85		2.8	7.2	362	4.8	0.1	-94	
33	6.6	200	6.85		2.5	7.2	362	4.8	0.1	-94	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: 509A

WEATHER: Partly Sunny 42°F

SAMPLE ID: NA

START TIME: 852 END: 924

(DUPS)

TRIP BLANK ID:

WELL DEPTH: 24.40 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 7.70 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 23.3
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 19.4 TO 24.4

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 855

PUMPING END TIME: 919

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

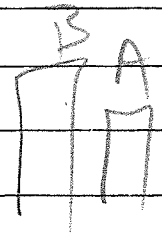
DECONTAMINATION FLUIDS USED

( ) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

Field Readings only



SAMPLED BY: FAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-25-17

SAMPLE LOCATION: 509A ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:				200		LSET	A					
Model ID :				Solinst	NA		Ref		Cal	STD		
	0	0	1	7.70								
00	5	.8	150	8.30		3.5	7.2	903	6.0		-53	
05	10	1.5		8.33		1.8	7.0	885	6.2		-49	
10	15	2.3		8.33		1.7	6.9	875	6.5		-49	
13	18	2.7		8.33		2.0	6.9	872	6.4		-47	
16	21	3.2		8.33		1.7	6.8	867	6.6		-47	
19	24	3.6	150	8.33		1.7	6.8	869	6.6	0.67	-47	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: 509B

WEATHER: Partly Sunny 41°F

SAMPLE ID: GW 509 B AE6

START TIME: 800 END: 850

(DUPS)

TRIP BLANK ID:

WELL DEPTH: 17.72 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (✓) HISTORICAL

WATER DEPTH: 7.80 FT
(✓) TOP OF WELL ( ) TOP OF CASING
(✓) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
(✓) OTHER:
PROTECTIVE CASING: (✓) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 16.70
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 12.75 TO 17.75

WELL: (X) CAP ( ) NO CAP
WELL MATL: (✓) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 810 PUMPING END TIME: 845

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(✓)	(✓)	PERISTALTIC PUMP GEOTECH
(✓)	(✓)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(✓)	DEDICATED SIL. TUBING
(X)	(✓)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(✓) DISTILLED/DEIONIZED WATER
(✓) TAP WATER
(✓) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

B
A

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

(page 2 of 2)

SITE: PTL

DATE: 4-25-17

SAMPLE LOCATION: 509B

ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			150 ~~20~~			SET					
	Model ID :			Aeron	NA		Ref	YO	Cul	STV		
	0	0	1	7.80								
15	5	1.8	150	7.90		2.9	6.7	892	4.6		-22	
20	10	1.5		7.90		1.8	6.8	890	4.7		-27	
25	15	2.3		7.90		2.0	6.7	889	4.8		-30	
28	18	2.7		7.90		1.0	6.7	889	4.8		-29	
31	21	3.2		7.90		1.0	6.8	889	4.8		-30	
34	24	3.6	150	7.90		1.0	6.8	889	4.8	0.64	-31	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: 516B-B

WEATHER: Cloudy 52°F

SAMPLE ID: GW 516B AE4

START TIME: 1100 END: 1150

(DUPS)

TRIP BLANK ID:

WELL DEPTH: 43.82 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 9.30 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 42
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 37 TO 47

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1105

PUMPING END TIME: 1145

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-25-17

SAMPLE LOCATION: 516B-B

ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:		↓	200	/	←	SET	A	→	→	→	
Model ID :		↓	solnt	NA	*	Ref	To	Cal	Stds		
0	0	1	9.30								
5	.5	100	11.00		12.4	7.2	1061	9.6		-103	
10	1.0		11.85		11.8	7.2	1059	9.6		-99	
15	1.5		12.61		9.1	7.2	1058	9.8		-92	
18	1.8		13.18		7.2	7.2	1061	9.6		-94	
21	2.1		13.57		7.4	7.2	1061	9.7		-93	
24	2.4	100	14.00		6.5	7.2	1062	9.7	1.63	-93	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: 641 WEATHER: cloudy 530F

SAMPLE ID: GW 641 X AE9 START TIME: 1300 END: 1350

(DUPS) ___ TRIP BLANK ID: ___

WELL DEPTH: 34.30 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 19.15 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER: ___
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 29.34
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 24.24 TO 54.24

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 1310 PUMPING END TIME: 1345

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: ___
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: ___

NOTES: ___

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-25-17

SAMPLE LOCATION: 641

ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			200		←	SET	A				
Model ID :			Solinst	NA	#	Ref	70	Cal	SN		
0	0		19.15								
5	.8	150	19.30		0.9	7.0	1178	9.0		-98	
10	1.5		19.30		0.6	7.0	1181	9.1		-99	
15	2.3		19.30		0.5	7.0	1179	9.0		-100	
18	2.7		19.30		0.7	7.0	1178	9.2		-100	
21	3.2		19.30		0.4	7.0	1175	9.0		-100	
24	3.6	150	19.30		0.4	7.0	1174	9.0	0.40	-100	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005-00 DATE: 4-24-17

SAMPLE LOCATION: MW-01-602B WEATHER: Cloudy 50°F

SAMPLE ID: No Sample Taken START TIME: 1430 END: 1515

(DUPS) TRIP BLANK ID: see COC

WELL DEPTH: 50.45 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 26.15 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 45.5
TUBING DIAMETER 1/4 (ID)
SCREENED INTERVAL (TPVC) 40.45 TO 50.45

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1440 PUMPING END TIME: 1510

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
( )	( )	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
(X)	(X)	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: N/A
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: /

NOTES:
* Field Readings Only.

SAMPLED BY: B.C.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-24-17

SAMPLE LOCATION: MW-01-602B ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			100' Heron		3	YSI		002			
Model ID :				Na		* See cal. Sheet					
0		100	26.15								
5	0.5		26.21		2.3	7.2	488	7.1	0.1	-50	
10	1.0		26.25		2.1	7.2	489	7.0	0.1	-51	
15	1.5		26.25		1.5	7.2	488	7.0	0.1	-54	
18	1.8		26.25		0.8	7.2	488	7.1	0.1	-56	
21	2.1		26.25		0.6	7.2	487	7.2	0.1	-60	
24	2.4	100	26.25		0.4	7.2	487	7.2	0.1	-61	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW-02-801A WEATHER: Cloudy 50°F

SAMPLE ID: GW 801 A AEC START TIME: 1300 END: 1350

(DUPS) TRIP BLANK ID: See COC

WELL DEPTH: 60.88 FT
(X) TOP OF WELL (X) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 26.15 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
(X) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 55.85
TUBING DIAMETER 1/4 (ID)
SCREENED INTERVAL (TPVC) 50.85 TO 60.85

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1315 PUMPING END TIME: 1345

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
(X)	(X)	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: 100 mls
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: 350 mls

NOTES: Well Needs a PTL Lock.

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: MW-02-801A

ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			1001 Heron		3	Y	SI	002			
Model ID :				Na	☆	See	Cal.	Sheet			
0		100	26.15								
					☆	Grab		Sample			
30	3.0	100	29.70		1.3	6.7	2537	11.9	0.5	-53	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTC PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW-02-80113 WEATHER: Cloudy 50°F

SAMPLE ID: No Sample Taken START TIME: 1355 END: 1440

(DUPS) — TRIP BLANK ID: See COC

WELL DEPTH: 32.90 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 25.50 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 31.90
TUBING DIAMETER 1/4 (ID)
SCREENED INTERVAL (TPVC) 27.90 TO 32.90

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1405 PUMPING END TIME: 1430

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
( )	( )	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
(X)	(X)	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: Na
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: /

NOTES: ☆ Needs a PTL Lock.
☆ Field Readings Only.

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: MW-02-801B

ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			100' Heron		3	Y-I		002			
Model ID :						☆	See cal. sheet				
0		100	25.50								
5	0.5		26.15		3.6	7.0	2090	11.3	0.8	-68	
10	1.0		26.72		3.1	6.9	2092	11.3	0.6	-66	
15	1.5		26.93		2.5	6.8	2093	11.2	0.5	-65	
18	1.8		27.03		2.1	6.8	2094	11.2	0.5	-65	
21	2.1		27.03		1.7	6.8	2096	11.2	0.5	-65	
24	2.4	100	27.03		1.5	6.8	2097	11.2	0.5	-66	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW08-802A WEATHER: Partly cloudy 56°F

SAMPLE ID: GW 802 A AED START TIME: 1400 END: 1450

(DUPS) MW03-802A - Arsenic KAT TRIP BLANK ID: ___

WELL DEPTH: 54.50 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED (X) HISTORICAL

WATER DEPTH: 24.60 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER: ___
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 49.59
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 44.56 TO 54.56

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 1405 PUMPING END TIME: 1445

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: 130 mls
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: 200 mls

NOTES: ___

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: MW08 3 802A

ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			200		← SET A						
Model ID :			solinst	NA	*	Ref	To	Cal	STD		
0	0	1	24.60								
		100									
				*	Grab		Sample				
40	4.0	100	27.45		0.5	6.9	762	12.0	1.1	-39	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL HAB

PROJECT NO: 17005.00

DATE: 4-24-17

SAMPLE LOCATION: MW08-3-802B

WEATHER: Partly Cloudy 57°F

SAMPLE ID: GW 802 B AF6

START TIME: 1300 END: 1350

(DUPS)

TRIP BLANK ID: See COC

WELL DEPTH: 34.82 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 27.86 FT
( ) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 29.92
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 24.92 TO 34.92

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1305

PUMPING END TIME: 1345

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: MW08-802B

ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		LEFT A						
	Model ID :			Solinst	N/A		REF	TO	Cal	STD		
	0	0		27.80								
10	5	.5	100	27.90		3.9	6.5	1239	14.0		53	
15	10	1.0		27.90		2.9	6.6	1239	13.3		36	
20	15	1.5		27.90		2.5	6.6	1241	12.5		0	
23	18	1.8		27.90		2.7	6.6	1238	12.5		-11	
26	21	2.1		27.90		2.2	6.6	1239	12.6		-20	
29	24	2.4	100	27.90		2.0	6.6	1241	12.4	3.2	-22	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL 3 PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW08-803A WEATHER: Partly sunny 48°F

SAMPLE ID: GW 803 A AF7 START TIME: 830 END: 920

(DUPS) ___ ___ / ___ TRIP BLANK ID: see COC

WELL DEPTH: 43.95 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 26.45 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER: ___
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 39.9
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 33.93 TO 43.93

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 835 PUMPING END TIME: 915

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: ___
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: ___

NOTES: ___

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-24-17

SAMPLE LOCATION: MW08-803A ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		← SET		A			→	
	Model ID :			Solinst	NA	*	Ref	TO	Cal	Sub		
	0	0	1	20.45								
40	5	1.5	100	21.22		1.2	6.5	1282	9.5		25	
45	10	1.0		21.75		0.6	6.5	1576	9.7		20	
50	15	1.5		22.00		0.5	6.7	1660	9.7		23	
53	18	1.8		22.10		0.3	6.7	1683	9.7		25	
56	21	2.1		22.20		0.4	6.7	1688	9.7		23	
59	24	2.4	100	22.35		0.3	6.7	1691	9.7	4.2	24	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL 3 HAB PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW08-803B WEATHER: Sunny 50°F

SAMPLE ID: GW 803 B AEE START TIME: 922 END: 1003

(DUPS) MW03-803B-Arsenic KAT TRIP BLANK ID: ___

WELL DEPTH: 30.06 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

WATER DEPTH: 21.60 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER: ___
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 26.01
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 20.01 TO 30.01

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 925 PUMPING END TIME: 959

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
(X) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: ___
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: ___

NOTES: ___

SAMPLED BY: RAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: MW03-803B

ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		L	SET	A				
	Model ID :			solinst	NA	X	Ref	To	Cal	STAT		
	0	0		21.60								
30	5	1.0	200	21.61		1.4	6.0	849	9.4		-59	
35	10	2.0		21.61		1.1	6.0	867	9.3		-67	
40	15	3.0		21.61		0.7	6.3	1358	9.3		-75	
43	18	3.6		21.61		0.6	6.3	1359	9.4		-73	
46	21	4.2		21.61		0.6	6.3	1359	9.4		-72	
49	24	4.8	200	21.61		0.7	6.3	1358	9.4	1.9	-71	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL 3 PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: MW08-804A WEATHER: Partly Sunny 54°F

SAMPLE ID: NA START TIME: 1500 END: 1535

(DUPS) TRIP BLANK ID:

WELL DEPTH: 54.45 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 16.50 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: ( ) LOCKED
(X) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 50.55
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 39.54 TO 54.39

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1505 PUMPING END TIME: 1529

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

* Field Readings only

SAMPLED BY: DIAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-24-17

SAMPLE LOCATION: MW03-804A ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		← SET		A				
	Model ID :			Solinst	NA	✱	REF	TO	Cul	STAS		
	0	0	1	16.50								
10	5	1.0	200	17.10		0.4	6.7	845	10.6		13	
15	10	2.0		17.25		0.4	6.6	809	10.7		21	
20	15	3.0		17.30		0.4	6.6	805	10.7		27	
23	18	3.6		17.31		0.4	6.6	804	10.6		30	
26	21	4.2		17.31		0.4	6.6	805	10.5		30	
29	24	4.8	200	17.31		0.4	6.6	805	10.6	1.61	31	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: MW-906B

WEATHER: Cloudy 50°F

SAMPLE ID: GW906BAEG

START TIME: 1000 END: 1110

(DUPS) — — — —

TRIP BLANK ID: See COC

— — — —

WELL DEPTH: 40.25 FT

(X) TOP OF WELL ( ) TOP OF CASING

( ) MEASURED (X) HISTORICAL

WATER DEPTH: 32.13 FT

(X) TOP OF WELL ( ) TOP OF CASING

(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:

SURFACE SEAL: (X) GOOD ( ) CRACKED

( ) OTHER:

PROTECTIVE CASING: (X) LOCKED

( ) NO LOCK

( ) SECURE

( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 37.5

TUBING DIAMETER 1/4 (ID)

SCREENED INTERVAL (TPVC) 29.20 TO 40.20

WELL: (X) CAP ( ) NO CAP

WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1020

PUMPING END TIME: 1105

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
( )	( )	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
(X)	(X)	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER

( ) TAP WATER

( ) NON-PHOSPHATE DETERGENT

( ) 10% NITRIC ACID

( ) HIGH-PRESSURE STEAM CLEAN

( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: Na

AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: /

NOTES:

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-25-17

SAMPLE LOCATION: MW-906B ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			1001 Heron		3	YSI		002			
Model ID :				Na		*	see	cal.	sheet		
0		200	32.13								
5	1.0		33.15		1.5	7.0	383	9.6	0.3	91	
10	2.0		33.86		1.3	7.0	383	9.7	0.3	94	
15	3.0		34.12		1.1	7.0	382	9.6	0.3	97	
18	3.6		34.40		0.9	7.0	382	9.6	0.3	102	
21	4.2		34.40		0.8	7.0	382	9.6	0.2	103	
24	4.8	200	34.40		0.6	7.0	382	9.6	0.2	102	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: MW-916

WEATHER: Cloudy 50°F

SAMPLE ID: GW 916 X AE7

START TIME: 1430 END: 1540

(DUPS) — — — —

TRIP BLANK ID: See COC

WELL DEPTH: 45.44 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 38.48 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: ( ) LOCKED
(X) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 43.0
TUBING DIAMETER 1/4 (ID)
SCREENED INTERVAL (TPVC) 35.20 TO 45.44

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1445

PUMPING END TIME: 1530

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: Na
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES: No PTL Lock on well.

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTC

DATE: 4-25-17

SAMPLE LOCATION: MW-910

ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			1001 Heron		3	YSI		002			
Model ID :					☆	see	Cal.	Sheet			
0		200	38.48								
5	1.0		38.52		0.9	7.3	694	9.4	0.6	71	
10	2.0		38.56		0.7	7.2	693	9.3	0.5	68	
15	3.0		38.60		0.5	7.2	595	9.2	0.4	66	
18	3.6		38.60		0.4	7.2	578	9.2	0.3	65	
21	4.2		38.60		0.3	7.2	575	9.1	0.3	60	
24	4.8	200	38.60		0.2	7.2	571	9.1	0.2	58	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTC PROJECT NO: 1705.0 DATE: 4-25-17

SAMPLE LOCATION: MW-917 WEATHER: Cloudy / 50°F

SAMPLE ID: GW 917 X AEF START TIME: 1315 END: 1420

(DUPS) — TRIP BLANK ID: —

WELL DEPTH: 63.70 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

WATER DEPTH: 37.12 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 55.0
TUBING DIAMETER 1/4 (ID)
SCREENED INTERVAL (TPVC) 53.70 TO 63.70

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1330 PUMPING END TIME: 1415

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
( )	( )	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
(X)	(X)	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: No
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-25-17

SAMPLE LOCATION: MW-917 ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			100' Heron		3	YSI	002				
Model ID :				Na		☆	See	Cal.	Sheet		
0		200	37.12								
5	1.0		37.13		1.1	7.1	790	9.0	0.2	62	
10	2.0		37.15		0.8	7.1	786	9.0	0.1	74	
15	3.0		37.15		0.6	7.0	788	8.9	0.1	85	
18	3.6		37.15		0.3	7.0	791	8.8	0.1	92	
21	4.2		37.15		0.3	7.0	792	8.8	0.1	100	
24	4.8	200	37.15		0.5	7.0	792	8.8	0.1	100	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

(page ___ of ___)

SITE: PTC

PROJECT NO: 17005.00 DATE: 2-26-17

SAMPLE LOCATION: MW97-123

WEATHER: Rain 48°F

SAMPLE ID: GW 123 X AE 5

START TIME: 0930 END: 1045

(DUPS) ___ ___ ___ ___

TRIP BLANK ID: See COC

WELL DEPTH: 178.60 FT

(X) TOP OF WELL ( ) TOP OF CASING

( ) MEASURED (X) HISTORICAL

WATER DEPTH: 14.80 FT

(X) TOP OF WELL ( ) TOP OF CASING

(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:

SURFACE SEAL: (X) GOOD ( ) CRACKED

( ) OTHER: ___

PROTECTIVE CASING: ( ) LOCKED

( ) NO LOCK

( ) SECURE

( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 600

TUBING DIAMETER .17 (ID)

SCREENED INTERVAL (TPVC) ___ TO 178.60

WELL: (X) CAP ( ) NO CAP

WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 0945

PUMPING END TIME: 1030

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER

( ) TAP WATER

( ) NON-PHOSPHATE DETERGENT

( ) 10% NITRIC ACID

( ) HIGH-PRESSURE STEAM CLEAN

( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: Na

AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: ___

NOTES: ___

SAMPLED BY: B.C.

MONITORING WELL SAMPLE PURGING FORM - PART II

(page ___ of ___)

PTC

SITE: MW97-123 DATE: 4-26-17

SAMPLE LOCATION: MW97-123 ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:					3	YSI	002				
Model ID :		✓				✗	See	Cal	sheet		
0		200	14.80								
5	1.0		14.82		1.5	7.1	1216	7.7	0.8	-42	
10	2.0		14.83		1.3	7.1	1219	7.7	0.8	-43	
15	3.0		14.84		0.8	7.1	1221	7.7	0.8	-44	
18	3.6		14.85		0.6	7.1	1224	7.6	0.7	-46	
21	4.2	↓	14.85		0.4	7.1	1225	7.6	0.6	-47	
24	4.8	200	14.85		0.2	7.1	1226	7.6	0.6	-48	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005.00 DATE: 4-25-17

SAMPLE LOCATION: MW98-661A WEATHER: Partly Sunny 50°F

SAMPLE ID: NA START TIME: 940 END: 1010

(DUPS) TRIP BLANK ID:

WELL DEPTH: 28.58 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 6.00 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
(X) OTHER:
PROTECTIVE CASING: (X) LOCKED
(X) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 26.10
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 23.60 TO 28.60

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 943 PUMPING END TIME: 1007

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM:
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION:

NOTES:

Field Readings Only

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL DATE: 4-25-17

SAMPLE LOCATION: MW98-601A ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		←	SET	A			→	
	Model ID :			solinst	NA	∅	PSE	TO	cal	STAD		
	0	0	1	6.00								
44	5	.8	150	6.28		3.0	6.6	2136	10.5		26	
53	10	1.5		6.30		2.4	6.6	2150	10.8		28	
56	15	2.3		6.30		1.3	6.5	2151	10.8		28	
01	18	2.7		6.30		1.8	6.6	2165	10.8		28	
04	21	3.2		6.30		0.7	6.6	2160	10.8		29	
07	24	3.6	150	6.30		0.7	6.6	2158	11.0	2.61	29	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL PROJECT NO: 17005-00 DATE: 4-25-17

SAMPLE LOCATION: MW98-601B WEATHER: Partly Sunny 50°F

SAMPLE ID: NA START TIME: 1015 END: 1050

(DUPS) TRIP BLANK ID:

WELL DEPTH: 15.07 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 5.90 FT
( ) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 12.57
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 10.07 TO 15.07

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1020 PUMPING END TIME: 1044

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	( )	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: /
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: /

NOTES:

Field Readings only

SAMPLED BY: TAC

MONITORING WELL SAMPLE PURGING FORM - PART II

(page 2 of 2)

SITE: PTL

DATE: 4-25-17

SAMPLE LOCATION: MW98-601B

ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			200		← SET		A				
	Model ID :		↓	Solinst	N/A	*	REF	TO	Cal	STD		
	0	0	1	5.90								
25	5	.5	100	5.95		0.7	6.4	1406	10.4		-100	
30	10	1.0		5.95		0.8	6.4	1412	10.8		-103	
35	15	1.5		5.95		0.8	6.4	1413	11.2		-105	
38	18	1.8		5.95		0.9	6.4	1415	11.2		-105	
41	21	2.1		5.95		0.8	6.4	1419	11.3		-106	
44	24	2.4	100	5.95		0.8	6.4	1419	11.1	4.49	-106	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: P-911B

WEATHER: Cloudy / 50°F

SAMPLE ID: No Sample Taken

START TIME: 1550 END: 1645

(DUPS) —

TRIP BLANK ID: —

WELL DEPTH: 22.48 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 2.43 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
( ) OTHER:
PROTECTIVE CASING: ( ) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 21.55
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) _____ TO 22.55

WELL: (X) CAP / ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1600

PUMPING END TIME: 1625

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
( )	( )	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. _____
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
( ) TAP WATER
( ) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) _____

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: NA
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: /

NOTES:

☆ Field Readings Only.

SAMPLED BY: B.L.

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: P-911B

ORP OFFSET: Ø mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:			100' Heran		3		YSI	002			
Model ID :				Na		See	Cal.	Sheet			
0		100	2.43								
5	0.5		2.56		5.4	6.9	880	7.7	0.2	-57	
10	1.0		2.67		3.1	6.9	880	7.8	0.2	-59	
15	1.5		2.70		2.2	6.9	877	7.8	0.2	-60	
18	1.8		2.72		1.8	6.9	878	7.9	0.1	-61	
21	2.1		2.72		1.5	6.9	879	8.0	0.1	-61	
24	2.4	100	2.72		1.2	6.9	884	7.9	0.1	-62	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: P-914A PROJECT NO: 17005.00 DATE: 4-24-17

SAMPLE LOCATION: PTL WEATHER: Partly Sunny 54°F

SAMPLE ID: GW 914 A AE14 START TIME: 1020 END: 1105

(DUPS) P-914A - Arsenic TRIP BLANK ID: ___

KAT

WELL DEPTH: 42.00 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 6.78 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
(X) OTHER: ___
PROTECTIVE CASING: (X) LOCKED
( ) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 39
TUBING DIAMETER .17 (ID)
SCREENED INTERVAL (TPVC) 37 TO 42

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER: ___

PUMPING START TIME: 1025 PUMPING END TIME: 1100

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D. ___
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
(X) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( ) ___

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: ___
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: ___

NOTES: ___

SAMPLED BY: PAS

MONITORING WELL SAMPLE PURGING FORM - PART II

(page 2 of 2)

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: P-914A

ORP OFFSET: 0 mV

	Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
	Unit ID Number:			150		LEFT		A				
	Model ID :			Heron	NA	*	Ref	to	Cal	Stab		
	0	0	1	6.78								
30	5	.6	150	7.02		1.4	6.8	770	7.8		-121	
35	10	1.5		7.30		0.8	6.8	839	7.9		-128	
40	15	2.3		7.30		0.4	6.8	879	7.9		-107	
43	18	2.7		7.30		0.4	6.8	858	7.9		-87	
46	21	3.2		7.30		0.4	6.8	851	7.9		-86	
49	24	3.6	150	7.30		0.4	6.8	850	7.9	1.2	-86	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

MONITORING WELL SAMPLE PURGING FORM

SITE: PTL

PROJECT NO: 17005.00 DATE: 4-24-97

SAMPLE LOCATION: P-914B

WEATHER: Partly Sunny 54°F

SAMPLE ID: NA

START TIME: 1107 END: 1140

(DUPS)

TRIP BLANK ID:

WELL DEPTH: 18.30 FT
(X) TOP OF WELL ( ) TOP OF CASING
( ) MEASURED (X) HISTORICAL

WATER DEPTH: 7.20 FT
(X) TOP OF WELL ( ) TOP OF CASING
(X) MEASURED ( ) HISTORICAL

CONDITION OF WELL:
SURFACE SEAL: (X) GOOD ( ) CRACKED
(X) OTHER:
PROTECTIVE CASING: (X) LOCKED
(X) NO LOCK
( ) SECURE
( ) NEEDS REPAIR (ABLE TO MOVE)

TUBING INLET (TPVC) 17
TUBING DIAMETER 1/2 (ID)
SCREENED INTERVAL (TPVC) 16 TO 18

WELL: (X) CAP ( ) NO CAP
WELL MATL: (X) PVC ( ) SS ( ) OTHER:

PUMPING START TIME: 1110

PUMPING END TIME: 1135

EQUIPMENT DECONTAMINATION

PURGING	SAMPLING	
( )	( )	PERISTALTIC PUMP ISCO
(X)	(X)	PERISTALTIC PUMP GEOTECH
(X)	(X)	SUBMERSIBLE PUMP
( )	( )	BLADDER PUMP
( )	( )	AIR LIFT PUMP
( )	( )	BAILER I.D.
( )	( )	LDPE/SILICON TUBING
( )	( )	TEFLON/SILICON TUBING
( )	( )	IN-LINE FILTER
(X)	(X)	DEDICATED SIL. TUBING
(X)	(X)	DEDICATED POLY. TUBING

DECONTAMINATION FLUIDS USED

(X) DISTILLED/DEIONIZED WATER
(X) TAP WATER
(X) NON-PHOSPHATE DETERGENT
( ) 10% NITRIC ACID
( ) HIGH-PRESSURE STEAM CLEAN
( )

AMOUNT OF WATER CONTAINED IN DEDICATED SYSTEM: 55 ml/s
AMOUNT OF WATER PURGED PRIOR TO GRAB SAMPLE COLLECTION: 150 ml/s

NOTES:

* Field Readings only

SAMPLED BY: [illegible]

MONITORING WELL SAMPLE PURGING FORM - PART II

SITE: PTL

DATE: 4-24-17

SAMPLE LOCATION: P-914B

ORP OFFSET: 0 mV

Elapsed Time (min)	Liters Pumped	Flow Rate (ml/min)	WL TPVC (ft)	WL Top of Casing (ft)	Turb (1)	pH (2)	Spec Cond (3)	Temp °C (4)	DO (5)	ORP (6)	Comments
Unit ID Number:		↓	250	/	← SET		A	→			
Model ID :		↓	Horn	NA	*	Ref	To	Cal	STD		
0	0	/	7.20								
/	/	100	/								
/	/		/	*	Grab		Sample				
/	/	/	/								
25	2.5	100	12.35	—	1.7	6.5	776	7.6	0.5	110	

NOTES:

(1) TURBIDITY (NTU)
(2) pH (STD UNITS)
(3) SPECIFIC CONDUCTANCE (umhos/cm @25C)
(4) TEMPERATURE (C)
(5) DISSOLVED OXYGEN (ppm)
(6) UNADJUSTED OXIDATION REDUCTION POTENTIAL (+- mV)

WED

CHAIN–OF–CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829–5016 • FAX (207)829–5692

CLIENT:

PROJECT NAME: PTL

PROJECT/ P.O. #: 17005.00

REPORT TO: Dave Maher

ADDRESS: See Above

INVOICE TO:

ADDRESS: " "

SAMPLED BY: (PRINT) P Sevee

SAMPLER SIGNATURE:

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W–WATER L–LIQUID S–SOLID	TOTAL NUMBER OF CONTAINERS	FILTERED (Y/N) N	N	N						REMARKS	LAB SAMPLE #
							PRESERVED 1	4	3							
							ANALYSIS REQUIRED IND-1L	IND-2L	IND-3X							
1	GW20XAE8	4-26-17	905	G	W	3	1	1	1						See pg 2 of 2 for	
2	GW123XAE5		1030			3	1	1	1						color/ method	
3	GWDP1XAEA		–			3	1	1	1						info	
4	LTLCSXAF3		930			3	1	1	1							
5	LTPDPXAF2		830			3	1	1	1							
6																
7																
8																
9																
10																
11																
12																
13															cooler temp = 3.5°C KM 4/26/17	
14																
15																

RELINQUISHED BY:	DATE: 4-26-17	TIME: 1200	RECEIVED BY: K Hoppe DATE: 4/26/17 TIME: 1200
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY: DATE: TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY: DATE: TIME:

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

KAT

CHAIN–OF–CUSTODY RECORD

PAGE 1 OF 1

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829–5016 • FAX (207)829–5692

CLIENT:

PROJECT NAME: PTL

PROJECT/ P.O. #: 17005.00

REPORT TO: Jeremy Labbe, Dave Maher

ADDRESS: See Above

INVOICE TO:

ADDRESS: " "

SAMPLED BY: (PRINT) P Sevee

SAMPLER SIGNATURE:

FILTERED (Y/N): N

PRESERVED: 3

ANALYSIS REQUIRED: Arsenic

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W–WATER L–LIQUID S–SOLID	TOTAL NUMBER OF CONTAINERS	Arsenic								REMARKS	LAB SAMPLE #
1	P-914A	4-24-17	1100	G	W	1	1									
2	MW03-803B	↓	954	↓	↓	1	1									
3	MW03-803A	↓	1445	↓	↓	1	1									
4	MW-916	4-25-17	1530	↓	↓	1	1									
5	SME-QC	4-26-17	12.00	G	W	1	1									
6																
7																
8																
9																
10																
11															Temp 1.0°C	
12																
13																
14																
15																

RELINQUISHED BY:	DATE: 4-26-17 TIME: 1230	RECEIVED BY:	DATE: 4/26 TIME: 1230
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:	DATE: TIME:

D:\FORM\ACAD\SME11 REV.7/13/2009

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

ATTACHMENT 4

SME
Sevee & Maher Engineers, Inc.

Maine Environmental Laboratory

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Report Prepared for:
Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

Report Information:
Report ID: 517-170518-1320
Lab Batch ID: 517
Date of Issue: May 18, 2017

The complete report consists of the following parts:
Maine Environmental Laboratory report
Chain of Custody form
Eastern Analytical, Inc report

REPORT NARRATIVE:
Enclosed are results of the analyses for your samples as received by the laboratory. Results are for the exclusive use of the client named on the report and will not be released to a third party without written consent. This report shall not be reproduced except in full without the written consent of the laboratory.

Maine Environmental Laboratory is certified by the States of Maine (Cert. #2017007) and New Hampshire (NH ELAP) (Cert. #2031) and is TNI/NELAP accredited. Our USEPA Lab ID is ME00028. A list of certified parameters is available on request. Any subcontracted parameters were produced by a laboratory certified for the fields of testing performed, when available.

Unless otherwise noted:
-Samples were received in acceptable condition and analyzed within method hold times.
-All quality control data demonstrated acceptable limits.
-The results reported herein conform to the most current NELAP standards where applicable.
-Analysis of solids for pH, flash point, ignitability, paint filter, corrosivity, conductivity and specific gravity are reported on an "as-received" basis.
-Results for "immediate" field parameters tested at the lab such as pH were run outside of the EPA-recommended hold time.

DEFINITIONS:
LOQ / RL - The Limit of Quantitation / Reporting Limit is the minimum level for reporting quantitative data.
LOD / MDL - The Limit of Detection / Method Detection Limit is the minimum level for reporting estimated data.
J - Data reported between the Limit of Quantitation and Limit of Detection is J-flagged as "estimated."
ND - Not Detected
B – Detected in QC blank
S – Detection Limits increased due to sample matrix
N/A - RPD cannot be calculated because the sample result was below the LOQ.
D1 – Relative Percent Difference (RPD) cannot be calculated because the sample result was below the LOQ.
4X – Native sample concentration was greater than 4 times the spike concentration so the spike added could not be distinguished from the native concentration.
% Rec – Percent Recovery

METHOD REFERENCES:
SM2320B: Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
SM2540C: Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
SW3010A: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW6010B: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW9056: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.
SW9060A: SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition. Updates I-IV, 2007.

This report has been reviewed and authorized by Jacquelyn R. Villinski, Laboratory Director: Jacquelyn R. Villinski

Maine Environmental Laboratory

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW801AAEC
Sample date: 04/24/17 13:45
Sample matrix: GW - grab
Laboratory ID: 170426L001

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	840	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	1369	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.11	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	97	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	8.0	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	72	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	86	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	270	mg/L	05/17/17	8:35	0.6	SW3010A/SW6010B	DWS
Chloride	400	mg/L	05/04/17	9:08	10	SW9056	JAB
Sulfate	ND	mg/L	05/03/17	12:41	40	SW9056	JAB
TOC	29	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Ca, Fe, Mg, K, As: A matrix spike was performed on the sample. % Recovery was within laboratory/method limits.

Maine Environmental Laboratory

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW802AAED
Sample date: 04/24/17 14:45
Sample matrix: GW - grab
Laboratory ID: 170426L002

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	350	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	422	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.010	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	99	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.46	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	25	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	2.8	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	25	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	33	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	16	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	3.5	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW802BAF6
Sample date: 04/24/17 13:45
Sample matrix: GW - grab
Laboratory ID: 170426L003

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	440	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	693	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0060	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	140	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Cobalt, total	0.019	mg/L	05/17/17	8:35	0.01	SW3010A/SW6010B	DWS
Iron, total	1.7	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Lead, total	ND	mg/L	05/17/17	8:35	0.003	SW3010A/SW6010B	DWS
Magnesium, total	57	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Manganese, total	5.0	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Nickel, total	ND	mg/L	05/17/17	8:35	0.005	SW3010A/SW6010B	DWS
Potassium, total	3.1	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	41	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	140	mg/L	05/04/17	9:08	4	SW9056	JAB
Sulfate	22	mg/L	05/03/17	12:41	4	SW9056	JAB
TOC	2.3	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW803AAF7
Sample date: 04/24/17 9:15
Sample matrix: GW - grab
Laboratory ID: 170426L004

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	250	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	1178	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.011	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	180	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Cobalt, total	0.020	mg/L	05/17/17	8:35	0.01	SW3010A/SW6010B	DWS
Iron, total	ND	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Lead, total	ND	mg/L	05/17/17	8:35	0.003	SW3010A/SW6010B	DWS
Magnesium, total	75	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Manganese, total	2.0	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Nickel, total	0.020	mg/L	05/17/17	8:35	0.005	SW3010A/SW6010B	DWS
Potassium, total	3.3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	42	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	450	mg/L	05/04/17	9:08	15	SW9056	JAB
Sulfate	12	mg/L	05/03/17	12:41	10	SW9056	JAB
TOC	ND	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW803BAEE
Sample date: 04/24/17 9:59
Sample matrix: GW - grab
Laboratory ID: 170426L005

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	590	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	825	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.051	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	180	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	15	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	42	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.7	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	23	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	120	mg/L	05/04/17	9:08	3	SW9056	JAB
Sulfate	14	mg/L	05/03/17	12:41	4	SW9056	JAB
TOC	2.9	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Ca, Fe, Mg, K, Na, As: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
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P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW914AAEH
Sample date: 04/24/17 11:00
Sample matrix: GW - grab
Laboratory ID: 170426L006

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	260	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	503	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	ND	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	92	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	ND	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	28	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	26	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	90	mg/L	05/04/17	9:08	3	SW9056	JAB
Sulfate	69	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	ND	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: SO4, Cl: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW509BAE6
Sample date: 04/25/17 8:45
Sample matrix: GW - grab
Laboratory ID: 170426L007

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	310	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	523	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0060	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	100	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	1.1	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	25	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	4.6	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	44	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	110	mg/L	05/04/17	9:08	3	SW9056	JAB
Sulfate	13	mg/L	05/03/17	12:41	4	SW9056	JAB
TOC	3.3	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW516BAE4
Sample date: 04/25/17 11:45
Sample matrix: GW - grab
Laboratory ID: 170426L008

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	320	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	617	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.016	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	120	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	2.0	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	24	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	2.6	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	66	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	170	mg/L	05/04/17	9:08	4	SW9056	JAB
Sulfate	24	mg/L	05/03/17	12:41	4	SW9056	JAB
TOC	ND	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW641XAE9
Sample date: 04/25/17 13:45
Sample matrix: GW - grab
Laboratory ID: 170426L009

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	310	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	451	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.021	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	85	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	3.6	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	28	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	12	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	46	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	64	mg/L	05/04/17	9:08	2	SW9056	JAB
Sulfate	34	mg/L	05/03/17	12:41	30	SW9056	JAB
TOC	5.4	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW906BAEG
Sample date: 04/25/17 11:05
Sample matrix: GW - grab
Laboratory ID: 170426L010

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	150	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	223	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0080	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	45	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	ND	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	6.9	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	27	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	42	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	8.7	mg/L	05/03/17	12:41	4	SW9056	JAB
TOC	2.1	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: TOC, Ca, Fe, Mg, K, Na, As: A matrix spike was performed on the sample. % Recovery was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
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P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW916XAE7
Sample date: 04/25/17 15:30
Sample matrix: GW - grab
Laboratory ID: 170426L011

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	300	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	320	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.010	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	76	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.85	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	27	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.6	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	4.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	1.8	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	12	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	2.9	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: GW917XAEF
Sample date: 04/25/17 14:15
Sample matrix: GW - grab
Laboratory ID: 170426L012

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	440	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	488	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.10	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	93	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	7.7	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	58	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	2.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	8.2	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	11	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	33	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	ND	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

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Report of Analyses

Dave Maher
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Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: SWXXAXAEI
Sample date: 04/25/17 9:00
Sample matrix: SW - grab
Laboratory ID: 170426L013

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	20	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	48	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0060	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	5.1	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.11	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	1.3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	0.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	5.5	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	11	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	ND	mg/L	05/03/17	12:41	10	SW9056	JAB
TOC	5.9	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
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May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: SWXXCXAEJ
Sample date: 04/25/17 9:30
Sample matrix: SW - grab
Laboratory ID: 170426L014

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	20	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	35	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0090	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	5.6	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.11	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	1.3	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	0.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	5.5	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	11	mg/L	05/04/17	9:08	1	SW9056	JAB
Sulfate	2.5	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	6.1	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: SWXXDXAF0
Sample date: 04/25/17 8:00
Sample matrix: SW - grab
Laboratory ID: 170426L015

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	47	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	213	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	ND	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	19	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.21	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	4.8	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	45	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	99	mg/L	05/04/17	9:08	3	SW9056	JAB
Sulfate	4.3	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	8.6	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Alk, Ca, Fe, Mg, K, Na, As: The sample was analyzed in duplicate. %RSD was within laboratory/method limits.

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

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May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: SWXXEXAF1
Sample date: 04/25/17 8:30
Sample matrix: SW - grab
Laboratory ID: 170426L016

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	110	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	334	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0080	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	41	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.38	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	7.7	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.7	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	55	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	130	mg/L	05/04/17	9:08	4	SW9056	JAB
Sulfate	6.3	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	6.9	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes:

Maine Environmental Laboratory

Report of Analyses

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Dave Maher
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P. O. Box 85A
Cumberland, ME 04021

May 18, 2017

Report No: 517-170518-1320
Date received: 04/26/17
Project ID: PTL #17005.00

Sample ID: SWDP2XAEB
Sample date: 04/25/17 0:00
Sample matrix: SW - grab
Laboratory ID: 170426L017

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOQ	Method	Tech
Bicarbonate Alkalinity	46	mgCaCO3/L	05/02/17	11:30	2.5	SM2320B	DJC
TDS	223	mg/L	04/26/17	13:00	10	SM2540C	CTP
Arsenic, total	0.0070	mg/L	05/17/17	13:40	0.005	SW3010A/SW6010B	DWS
Calcium, total	19	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Iron, total	0.23	mg/L	05/17/17	8:35	0.05	SW3010A/SW6010B	DWS
Magnesium, total	5.0	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Potassium, total	1.4	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Sodium, total	48	mg/L	05/17/17	8:35	0.3	SW3010A/SW6010B	DWS
Chloride	98	mg/L	05/04/17	9:08	3	SW9056	JAB
Sulfate	3.9	mg/L	05/03/17	12:41	2	SW9056	JAB
TOC	8.7	mg/L	05/08/17	8:32	2	SW9060A	JAB

Notes: Alk: A matrix spike was performed on the sample. % Recovery was within laboratory/method limits.

Maine Environmental Laboratory

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Report of Analyses

Dave Maher
Sevee & Maher Engineers
P. O. Box 85A
Cumberland, ME 04021

Report Date: 5/18/2017

Report No.: 517-170518-1320

QC Data
Method Blanks and Laboratory Control Samples

Analyte	QCType	Result	Value	Units	Max	Min
Arsenic, total	LCS - AQ	Recovery	112	%	121	79
Arsenic, total	LCS - AQ	Recovery	96	%	121	79
Arsenic, total	LCS - AQ	Recovery	98	%	121	79
Arsenic, total	LCS - AQ	Recovery	116	%	121	79
Arsenic, total	LCS - AQ	Recovery	95	%	121	79
Arsenic, total	Method Blank - AQ	Concentration	0.0010 U	mg/L	0.0055	
Bicarbonate Alkalinity	LCS - AQ	Recovery	101	%	121	79
Bicarbonate Alkalinity	Method Blank - AQ	Concentration	0.10	mg/L	2.6	
Calcium, total	LCS - AQ	Recovery	92	%	121	79
Calcium, total	LCS - AQ	Recovery	91	%	121	79
Calcium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Calcium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Chloride	Method Blank - AQ	Concentration	0	mg/L	0.34	
Cobalt, total	LCS - AQ	Recovery	97	%	121	79
Cobalt, total	Method Blank - AQ	Concentration	0	mg/L	0.014	
Iron, total	LCS - AQ	Recovery	103	%	121	79
Iron, total	LCS - AQ	Recovery	99	%	121	79
Iron, total	Method Blank - AQ	Concentration	0	mg/L	0.054	
Iron, total	Method Blank - AQ	Concentration	0	mg/L	0.054	
Lead, total	LCS - AQ	Recovery	95	%	121	79
Lead, total	Method Blank - AQ	Concentration	-0.00090 U	mg/L	0.0034	
Magnesium, total	LCS - AQ	Recovery	96	%	121	79
Magnesium, total	LCS - AQ	Recovery	97	%	121	79
Magnesium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Magnesium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Manganese, total	LCS - AQ	Recovery	102	%	121	79
Manganese, total	LCS - AQ	Recovery	101	%	121	79
Manganese, total	Method Blank - AQ	Concentration	0	mg/L	0.054	
Manganese, total	Method Blank - AQ	Concentration	0	mg/L	0.054	
Nickel, total	LCS - AQ	Recovery	100	%	121	79
Nickel, total	Method Blank - AQ	Concentration	0.0010	mg/L	0.0054	
Potassium, total	LCS - AQ	Recovery	93	%	121	79
Potassium, total	LCS - AQ	Recovery	91	%	121	79
Potassium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Potassium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Sodium, total	LCS - AQ	Recovery	91	%	121	79
Sodium, total	LCS - AQ	Recovery	87	%	121	79
Sodium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Sodium, total	Method Blank - AQ	Concentration	0	mg/L	0.34	
Sulfate	LCS - AQ	Recovery	103	%	111	89
Sulfate	Method Blank - AQ	Concentration	0.18	mg/L	0.64	
TDS	Method Blank - AQ	Concentration	ND	mg/L	10.4	
TOC	LCS - AQ	Recovery	101	%	121	79
TOC	Method Blank - AQ	Concentration	0.084	mg/L	2.4	

517 SAM

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CHAIN-OF-CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829-5016 • FAX (207)829-5692

CLIENT:	PROJECT NAME: PTL	PROJECT/P.O. #: 17005.00
REPORT TO: Dave Maher	ADDRESS: See Above	
INVOICE TO:	ADDRESS: " "	
SAMPLED BY: (PRINT) P Sevee	SAMPLER SIGNATURE: [signature]	

FILTERED (Y/N): N N N N N N

PRESERVED: 1 4 3 3 4 2

ANALYSIS REQUIRED: (P) (C) (A) (A) EAT EAT

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W-WATER L-LIQUID S-SOLID	TOTAL NUMBER OF CONTAINERS	INO-16	INO-21	INO-3X	INO-3Y	METHANE	VOA-8260			REMARKS	LAB SAMPLE #
1	GW801AAEC	4-24-17	1345	G	W	3	1	1	1	–	–	–			170426L001 See pg 3 of 3 for	
2	GW802AAED		1445			3	1	1	1	–	–	–			L002 Codes / method	
3	GW802BAF6		1345			8	1	1	–	1	2	3			L003	INFO
4	GW803AAF7		915			8	1	1	–	1	2	3			L004	
5	GW803BAEE		959			3	1	1	1	–	–	–			L005	
6	GW914AAEH		1100			3	1	1	1	–	–	–			L006	
7	DW109XAFB		1545			2	–	–	–	–	2	–			170426L018	
8	DW103XAFA		1100			2	–	–	–	–	2	–			L019	
9	DWDP3XAFD		–			2	–	–	–	–	2	–			L020	
10	BTXXXXAFE		800			5	–	–	–	–	2	3			L021	
11																
12																
13																
14															temp 0.9-1.4°C	
15																

RELINQUISHED BY: [signature]	DATE: 4-25-17	TIME: 1630	RECEIVED BY: X Bolyn DATE: 4-26-17 TIME: 1015
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY: DATE: TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY: DATE: TIME:

517 SAM

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CHAIN-OF-CUSTODY RECORD

SEVEE & MAHER ENGINEERS, INC. • P.O. BOX 85A • 4 BLANCHARD ROAD • CUMBERLAND CENTER, MAINE 04021 • (207)829-5016 • FAX (207)829-5692

CLIENT:	PROJECT NAME: PTL	PROJECT P.O. #: 17005.00	FILTERED (Y/N) N N N
REPORT TO: Dave Maher	ADDRESS: See Above		PRESERVED 1 4 3
INVOICE TO:	ADDRESS: " "		ANALYSIS REQUIRED
SAMPLED BY: (PRINT) P Sevee	SAMPLER SIGNATURE: [signature]		

LEGEND FOR PRESERVATIVE
1 – 4° CELSIUS
2 – HCL
3 – HNO_3
4 – H_2SO_4
5 – $Na_2SO_3 + H_2SO_4$
6 – NaOH

ITEM NO.	SAMPLE IDENTIFICATION	DATE	TIME	COMPOSITE OR GRAB	W-WATER L-LIQUID S-SOLID	TOTAL NUMBER OF CONTAINERS	INO-16	INO-2L	INO-3X	REMARKS	LAB SAMPLE #
1	GW509BAE6	4-25-17	845	G	W	3	1	1	1	17026 L007 See pg 3 of 3	For
2	GW516BAE4		1145			3	1	1	1	L008 Codes / metha	
3	GW641XAE9		1345			3	1	1	1	L009	/ INFO
4	GW906BAEG		1105			3	1	1	1	L010	
5	GW916XAE7		1530			3	1	1	1	L011	
6	GW917XAEF		1415			3	1	1	1	L012	
7	SWXXAXAEI		900			3	1	1	1	L013	
8	SWXXCXAEJ		930			3	1	1	1	L014	
9	SWXXDXAF0		800			3	1	1	1	L015	
10	SWXXEXAF1		830			3	1	1	1	L016	
11	SWDP2XAEB		—			3	1	1	1	L017	
12											
13											
14										temp 0.9-1.4°	
15											

RELINQUISHED BY: [signature]	DATE: 4-25-17	TIME: 1630	RECEIVED BY: X Balzer	DATE: 4-26-17	TIME: 1015
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

A CHAIN OF CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

517 SAM

ANALTICAL METHOD LIST FOR SELECTED SAMPLES

Pinetree Landfill

Code	Name	# Bottles	Bottle Size	Preservative	Filtered	Hold Time (days)
Round: 113						
FPA	FIELD PARAMETERS	1	1000 ML(P)		No	
INO-16	CL,SO4,BICARBONATE,TDS	1	1000 ML(P)	4C	No	7
INO-2L	TOC - unfiltered	1	40 ML(G)	4 C, H2SO4 to pH<2	No	28
INO-3X	As,Ca,Fe,Mg,Na,K	1	250 ML(P)	4C HNO3 ph<2	No	180
INO-3Y	Ca,Fe,Mg,Na,K,As,Pb,Mn,Ni,Co	1	250 ML(P)	4C HNO3 ph<2	No	180
METHANE,[redacted]	METHANE [redacted]	2	40 ML(G)	4C,H2SO4	No	7
VOA-8260	USEPA-8260 LL,47 ORG. CONSTIT. APPEND.I,40 CFR,258	4	40 ml (G)	4 C, HCL to pH<2	No	14

HOB
5-5-17

Eastern Analytical, Inc.

professional laboratory and drilling services

Jackie Villinski
Maine Environmental Laboratory
One Main Street
Yarmouth , ME 04096

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 168104
Client Identification: 517 SAM
Date Received: 4/28/2017

Dear Ms. Villinski :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 5.5.17 Date | 14 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Temperature upon receipt (°C): 0 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
168104.01	GW802BAF6	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy
168104.02	GW803AAF7	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy
168104.03	DW109XAFB	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy
168104.04	DW103XAFA	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy
168104.05	DWDP3XAFD	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy
168104.06	BTXXXXAFE	4/28/17	4/24/17	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater,20th Edition, 1998 and 22nd Edition, 2012
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Sample ID: GW802BAF6

Lab Sample ID: 168104.01
Matrix: aqueous
Date Sampled: 4/24/17
Date Received: 4/28/17
Date of Extraction/Prep:
Dilution Factor: 1

Units: ug/L
Date of Analysis: 5/2/17
Method: 8260C
Analyst: BML

Parameter	Result	RL
Chloromethane	< 2	2
Vinyl chloride	< 2	2
Bromomethane	< 2	2
Chloroethane	< 5	5
Trichlorofluoromethane	< 5	5
Diethyl Ether	< 5	5
Acetone	< 10	10
1,1-Dichloroethene	< 1	1
Iodomethane	< 5	5
Methylene chloride	< 5	5
Carbon disulfide	< 2	2
Acrylonitrile	< 20	20
trans-1,2-Dichloroethene	< 1	1
Vinyl acetate	< 10	10
1,1-Dichloroethane	< 1	1
cis-1,2-Dichloroethene	< 1	1
2-Butanone(MEK)	< 10	10
Bromochloromethane	< 1	1
Tetrahydrofuran(THF)	< 10	10
Chloroform	< 1	1
1,1,1-Trichloroethane	< 1	1
Carbon tetrachloride	< 1	1
Benzene	< 1	1
1,2-Dichloroethane	< 1	1
Trichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
Dibromomethane	< 1	1
Bromodichloromethane	< 0.5	0.5
4-Methyl-2-pentanone(MIBK)	< 10	10
cis-1,3-Dichloropropene	< 0.5	0.5
Toluene	< 1	1
trans-1,3-Dichloropropene	< 0.5	0.5
1,1,2-Trichloroethane	< 1	1
2-Hexanone	< 10	10
Tetrachloroethene	< 1	1
Dibromochloromethane	< 1	1
1,2-Dibromoethane(EDB)	< 2	2
Chlorobenzene	< 1	1
1,1,1,2-Tetrachloroethane	< 1	1
Ethylbenzene	< 1	1

Parameter	Result	RL
mp-Xylene	< 1	1
o-Xylene	< 1	1
Styrene	< 1	1
Bromoform	< 2	2
1,1,2,2-Tetrachloroethane	< 1	1
1,2,3-Trichloropropane	< 0.5	0.5
trans-1,4-dichloro-2-butene	< 5	5
1,4-Dichlorobenzene	< 1	1
1,2-Dichlorobenzene	< 1	1
1,2-Dibromo-3-chloropropane	< 2	2
4-Bromofluorobenzene (surr)	**100 %R**	
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	
Toluene-d8 (surr)	**97 %R**	

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Sample ID: GW803AAF7

Lab Sample ID: 168104.02
Matrix: aqueous
Date Sampled: 4/24/17
Date Received: 4/28/17
Date of Extraction/Prep:
Dilution Factor: 1

Units: ug/L
Date of Analysis: 5/2/17
Method: 8260C
Analyst: BML

Parameter	Result	RL
Chloromethane	< 2	2
Vinyl chloride	< 2	2
Bromomethane	< 2	2
Chloroethane	< 5	5
Trichlorofluoromethane	< 5	5
Diethyl Ether	**17**	5
Acetone	< 10	10
1,1-Dichloroethene	< 1	1
Iodomethane	< 5	5
Methylene chloride	< 5	5
Carbon disulfide	< 2	2
Acrylonitrile	< 20	20
trans-1,2-Dichloroethene	< 1	1
Vinyl acetate	< 10	10
1,1-Dichloroethane	**2**	1
cis-1,2-Dichloroethene	< 1	1
2-Butanone(MEK)	< 10	10
Bromochloromethane	< 1	1
Tetrahydrofuran(THF)	< 10	10
Chloroform	< 1	1
1,1,1-Trichloroethane	< 1	1
Carbon tetrachloride	< 1	1
Benzene	< 1	1
1,2-Dichloroethane	< 1	1
Trichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
Dibromomethane	< 1	1
Bromodichloromethane	< 0.5	0.5
4-Methyl-2-pentanone(MIBK)	< 10	10
cis-1,3-Dichloropropene	< 0.5	0.5
Toluene	< 1	1
trans-1,3-Dichloropropene	< 0.5	0.5
1,1,2-Trichloroethane	< 1	1
2-Hexanone	< 10	10
Tetrachloroethene	< 1	1
Dibromochloromethane	< 1	1
1,2-Dibromoethane(EDB)	< 2	2
Chlorobenzene	< 1	1
1,1,1,2-Tetrachloroethane	< 1	1
Ethylbenzene	< 1	1

Parameter	Result	RL
mp-Xylene	< 1	1
o-Xylene	< 1	1
Styrene	< 1	1
Bromoform	< 2	2
1,1,2,2-Tetrachloroethane	< 1	1
1,2,3-Trichloropropane	< 0.5	0.5
trans-1,4-dichloro-2-butene	< 5	5
1,4-Dichlorobenzene	< 1	1
1,2-Dichlorobenzene	< 1	1
1,2-Dibromo-3-chloropropane	< 2	2
4-Bromofluorobenzene (surr)	**100 %R**	
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	
Toluene-d8 (surr)	**97 %R**	

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LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Sample ID: BTXXXXAFE

Lab Sample ID: 168104.06
Matrix: aqueous
Date Sampled: 4/24/17
Date Received: 4/28/17
Date of Extraction/Prep:
Dilution Factor: 1

Units: ug/L
Date of Analysis: 5/2/17
Method: 8260C
Analyst: BML

Parameter	Result	RL
Chloromethane	< 2	2
Vinyl chloride	< 2	2
Bromomethane	< 2	2
Chloroethane	< 5	5
Trichlorofluoromethane	< 5	5
Diethyl Ether	< 5	5
Acetone	< 10	10
1,1-Dichloroethene	< 1	1
Iodomethane	< 5	5
Methylene chloride	< 5	5
Carbon disulfide	< 2	2
Acrylonitrile	< 20	20
trans-1,2-Dichloroethene	< 1	1
Vinyl acetate	< 10	10
1,1-Dichloroethane	< 1	1
cis-1,2-Dichloroethene	< 1	1
2-Butanone(MEK)	< 10	10
Bromochloromethane	< 1	1
Tetrahydrofuran(THF)	< 10	10
Chloroform	< 1	1
1,1,1-Trichloroethane	< 1	1
Carbon tetrachloride	< 1	1
Benzene	< 1	1
1,2-Dichloroethane	< 1	1
Trichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
Dibromomethane	< 1	1
Bromodichloromethane	< 0.5	0.5
4-Methyl-2-pentanone(MIBK)	< 10	10
cis-1,3-Dichloropropene	< 0.5	0.5
Toluene	< 1	1
trans-1,3-Dichloropropene	< 0.5	0.5
1,1,2-Trichloroethane	< 1	1
2-Hexanone	< 10	10
Tetrachloroethene	< 1	1
Dibromochloromethane	< 1	1
1,2-Dibromoethane(EDB)	< 2	2
Chlorobenzene	< 1	1
1,1,1,2-Tetrachloroethane	< 1	1
Ethylbenzene	< 1	1

Parameter	Result	RL
mp-Xylene	< 1	1
o-Xylene	< 1	1
Styrene	< 1	1
Bromoform	< 2	2
1,1,2,2-Tetrachloroethane	< 1	1
1,2,3-Trichloropropane	< 0.5	0.5
trans-1,4-dichloro-2-butene	< 5	5
1,4-Dichlorobenzene	< 1	1
1,2-Dichlorobenzene	< 1	1
1,2-Dibromo-3-chloropropane	< 2	2
4-Bromofluorobenzene (surr)	99 %R	
1,2-Dichlorobenzene-d4 (surr)	104 %R	
Toluene-d8 (surr)	99 %R	

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QC REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Chloromethane	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
Vinyl chloride	< 2	24 (122 %R)	23 (117 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Bromomethane	< 2	18 (89 %R)	20 (98 %R) (10 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
Chloroethane	< 5	21 (107 %R)	18 (92 %R) (15 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 5	23 (117 %R)	22 (110 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Diethyl Ether	< 5	18 (88 %R)	17 (87 %R) (2 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Acetone	< 10	20 (76 %R)	20 (76 %R) (1 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Iodomethane	< 5	* 14 (68 %R)	15 (74 %R) (8 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Methylene chloride	< 5	21 (105 %R)	20 (99 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	20 (98 %R)	18 (92 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Acrylonitrile	< 20	< 20 (100 %R)	< 20 (98 %R) (1 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	19 (97 %R)	18 (90 %R) (7 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Vinyl acetate	< 10	20 (84 %R)	20 (81 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	19 (96 %R)	18 (91 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	19 (96 %R)	18 (90 %R) (7 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	20 (81 %R)	20 (81 %R) (1 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	22 (108 %R)	21 (103 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	20 (113 %R)	20 (109 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Chloroform	< 1	22 (108 %R)	21 (103 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	22 (108 %R)	21 (103 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	23 (114 %R)	21 (107 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Benzene	< 1	19 (97 %R)	19 (93 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (98 %R)	19 (95 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	18 (92 %R)	18 (88 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	20 (101 %R)	20 (98 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	23 (113 %R)	22 (108 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	20 (94 %R)	20 (93 %R) (2 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	21 (104 %R)	20 (100 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Toluene	< 1	20 (101 %R)	19 (96 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	21 (105 %R)	20 (101 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	20 (101 %R)	19 (97 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	20 (91 %R)	20 (90 %R) (1 RPD)	5/2/2017	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	20 (99 %R)	19 (94 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	23 (114 %R)	22 (110 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 2	22 (109 %R)	21 (103 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	21 (103 %R)	19 (97 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	23 (113 %R)	22 (110 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Ethylbenzene	< 1	20 (101 %R)	19 (97 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	41 (102 %R)	39 (97 %R) (5 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
o-Xylene	< 1	20 (98 %R)	19 (95 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Styrene	< 1	21 (104 %R)	20 (98 %R) (6 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
Bromoform	< 2	23 (114 %R)	22 (111 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	20 (100 %R)	20 (98 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	21 (103 %R)	20 (101 %R) (2 RPD)	5/2/2017	ug/L	70 - 130	20	8260C

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QC REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
trans-1,4-dichloro-2-butene	< 5	17 (84 %R)	16 (82 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (99 %R)	19 (96 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	21 (105 %R)	21 (103 %R) (3 RPD)	5/2/2017	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	100 %R	104 %R	103 %R	5/2/2017	% Rec	70 - 130	20	8260C
1,2-Dichlorobenzene-d4 (surr)	102 %R	101 %R	99 %R	5/2/2017	% Rec	70 - 130	20	8260C
Toluene-d8 (surr)	99 %R	100 %R	98 %R	5/2/2017	% Rec	70 - 130	20	8260C

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.
Analytes that exceed limits high but are not detected in the field samples do not impact the data. For analytes that show low recovery and are not detected in the field samples, a low point calibration standard has been analyzed to support the reporting limit.

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LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**
Client Designation: **517 SAM**

Client Sample ID:	GW802BAF6
Lab Sample ID:	168104.01
Matrix:	aqueous
Date Sampled:	4/24/17
Date Received:	4/28/17

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
Methane	**340**	20	1	ug/L	5/3/17	15:01		*8015Bmod/RSK	BAM

*8015Bmod/RSK-175 is the method used for methane analysis.

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**
Client Designation: **517 SAM**

Client Sample ID:	GW803AAF7
Lab Sample ID:	168104.02
Matrix:	aqueous
Date Sampled:	4/24/17
Date Received:	4/28/17

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
Methane	**50**	20	1	ug/L	5/3/17	15:06		*8015Bmod/RSK	BAM

*8015Bmod/RSK-175 is the method used for methane analysis.

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**
Client Designation: **517 SAM**

Client Sample ID:	DW109XAFB
Lab Sample ID:	168104.03
Matrix:	aqueous
Date Sampled:	4/24/17
Date Received:	4/28/17

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
Methane	**30**	20	1	ug/L	5/3/17	15:12		*8015Bmod/RSK	BAM

*8015Bmod/RSK-175 is the method used for methane analysis.

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**
Client Designation: **517 SAM**

Client Sample ID:	DW103XAFA
Lab Sample ID:	168104.04
Matrix:	aqueous
Date Sampled:	4/24/17
Date Received:	4/28/17

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
Methane	30	20	1	ug/L	5/3/17	15:27		*8015Bmod/RSK	BAM

*8015Bmod/RSK-175 is the method used for methane analysis.

Eastern Analytical, Inc. www.easternanalytical.com | 800.287.0525 | customerservice@easternanalytical.com

LABORATORY REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**
Client Designation: **517 SAM**

Client Sample ID:	BTXXXXAFE
Lab Sample ID:	168104.06
Matrix:	aqueous
Date Sampled:	4/24/17
Date Received:	4/28/17

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
Methane	< 20	20	1	ug/L	5/3/17	15:47		*8015Bmod/RSK	BAM

*8015Bmod/RSK-175 is the method used for methane analysis.

QC REPORT

EAI ID#: **168104**

Client: **Maine Environmental Laboratory**

Client Designation: **517 SAM**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Methane	< 20	950 (95 %R)	1000 (105 %R) (10 RPD)	ug/L	5/3/17	85 - 115	20	*8015Bmo

Parameter Name	Duplicate Parent ID	Duplicate Parent	Duplicate	Units	Date of Analysis	RPD	Method
Methane	168104.05	30	40 (11 RPD)	ug/L	5/3/17	20	*8015Bmo

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

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MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, ME 04096-6716 Tel: (207) 846-6569 Fax: (207) 846-9066
Email: melab@mel-lab.com Web: MaineEnvironmentalLaboratory.com

168104

14

REPORT TO: J. Villinski
TELEPHONE:
EMAIL:
COMPANY:
BILL TO / PURCHASE ORDER #:
ADDRESS:
PROJECT NAME: 517 SAM
SAMPLER NAME:

ANALYSES (Specify Method: RCRA, NPDES, DW,

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE TYPE	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	Methane	* 40 CFR 147 compounds VOA-8260 App I Part 258 (include diethyl ether tetrahydrofuran									LAB ID/SUBCONTRACTOR
GW802BAF6	2	vial		X	GW	X		H_2SO_4/4°C	4/24/17	1345	X										
↓	3	vial		X	GW	X		HCl/4°C		↓		X									
GW803AAF7	2	vial		X	GW	X		H_2SO_4/4°C		0915	X										
↓	3	vial		X	GW	X		HCl/4°C		↓		X									
DW109XAFB	2	vial		X	GW	X		H_2SO_4/4°C		1545	X										
DW103XAFA	2	vial		X	GW	X		↓		1100	X										
DWDP3XAFD	2	vial		X	GW	X		↓		—	X										
BTXXXXAFE	2	vial		X	TB	X		↓		0800	X										
↓	3	vial		X	TB	X		HCl/4°C		0800		X									

SAMPLE RECEIVING
Within Hold Time? ☐Yes ☐No ☐N/A
Good Condition? ☐Yes ☐No ☐N/A
Preserved? ☐Yes ☐No ☐N/A
Custody Seal? ☐Yes ☐No ☐N/A
Del. by:
Temp. °C

TURNAROUND REQUEST
☒ Standard 5/8
☐ Priority (SURCHARGE)
MEL3120101-40

REPORTING REQUIREMENTS?
☐ Standard Report
☒ ME DEP EDD (PTL #17005.00)
☐ DW Compliance (sent to State)
☐ CC Results to

COMMENTS
BTXXXXAFE = trip blank
DWPP3XAFE = Field Dup
Report to LOQ
0°C
ME Cert

RELINQUISHED BY SAMPLER:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY: Z Belyea	DATE 4-28-17	TIME 1340	RECEIVED BY: Eric Halvorson
RELINQUISHED BY: Eric Halvorson	DATE 4-28-17	TIME 1415	RECEIVED BY LABORATORY:

COC 12414 It is the client's responsibility to check for accuracy prior to relinquishing samples. By executing this COC, the client has read and agrees to be bound by MEL's Terms & Conditions.

ATTACHMENT 5

SME
Sevee & Maher Engineers, Inc.

Ratio Of Total Dissolved Solids To Specific Conductance

Pinetree Landfill

Current Round

Results for samples showing the ratios of Total Dissolved Solids (TDS) to Specific Conductance (COND) that are outside the range 0.55-0.75 ((mg/L)/(µmhos/cm)) and those that are within the range.

LOCATION	SAMPLE	SAMPLE DATE	COND (µmhos/cm)	TDS (mg/L)	Ratio (mg/L)/(µmhos/cm)
Ratio Less Than 0.55 (TDS/COND)					
MW02-801A	GW801AAEC	4/24/2017	2537	1369	0.54
SW-C	SWXXCXAEJ	4/25/2017	71	35	0.49
PDPS	LTPDPXAF2	4/26/2017	1497	736	0.49
LCS-3C	LTLCSXAF3	4/26/2017	43500	20676	0.48
641	GW641XAE9	4/25/2017	1174	451	0.38
Ratio Within 0.55-0.75 (TDS/COND)					
MW03-803A	GW803AAF7	4/24/2017	1691	1178	0.7
MW97-123	GW123XAE5	4/26/2017	1226	823	0.67
200	GW200XAE8	4/26/2017	362	231	0.64
SW-E	SWXXEXAF1	4/25/2017	529	334	0.63
MW-917	GW917XAEF	4/25/2017	792	488	0.62
MW03-803B	GW803BAEE	4/24/2017	1358	825	0.61
509B	GW509BAE6	4/25/2017	889	523	0.59
SW-A	SWXXAXAEI	4/25/2017	81	48	0.59
P-914A	GW914AAEH	4/24/2017	850	503	0.59
516B-B	GW516BAE4	4/25/2017	1062	617	0.58
MW-906B	GW906BAEG	4/25/2017	382	223	0.58
SW-D	SWXXDXAF0	4/25/2017	368	213	0.58
PTL LEACHATE T	LTTNKXAG0	4/25/2017	11480	6548	0.57
MW03-802B	GW802BAF6	4/24/2017	1241	693	0.56
MW-916	GW916XAE7	4/25/2017	571	320	0.56
MW03-802A	GW802AAED	4/24/2017	762	422	0.55

Note: Duplicate samples are not tested.

Relative Percent Difference For Duplicate Samples

Current Round

Pinetree Landfill

Relative Percent Difference (RPD) calculated for samples where results exceed 5 times the Reporting Limit (RL).

RPD = [|S-D|/{(S+D)/2}]*(100) where S = sample value and D = duplicate value

LOCATION	SAMPLE	DUPLICATE	SAMPLE DATE	PARAMETER	RL	S	D	RPD (%)	RPD>10%
200	GW200XAE8	GWDP1XAEA	4/26/2017	Iron (mg/L)	0.05	5.2	6.3	19.1	*
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Sodium (mg/L)	0.3	45	48	6.5	
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Total Dissolved Solids (mg/L)	10	213	223	4.6	
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Magnesium (mg/L)	0.3	4.8	5	4.1	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Calcium (mg/L)	0.3	54	52	3.8	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Sodium (mg/L)	0.3	6	5.8	3.4	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Chloride (mg/L)	1	6.9	7.1	2.9	
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Bicarbonate (CaCO3) (mg/L)	2.5	47	46	2.2	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Magnesium (mg/L)	0.3	7.3	7.2	1.4	
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Chloride (mg/L)	3	99	98	1.0	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Total Dissolved Solids (mg/L)	10	231	229	0.9	
SW-D	SWXXDXAF0	SWDP2XAEB	4/25/2017	Calcium (mg/L)	0.3	19	19	0.0	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Bicarbonate (CaCO3) (mg/L)	2.5	190	190	0.0	
200	GW200XAE8	GWDP1XAEA	4/26/2017	Potassium (mg/L)	0.3	3	3	0.0	

* INDICATES RPD VALUES GREATER THAN 10%

Parameter Concentrations That Fall Outside Of Historical Range

Pinetree Landfill Current Round (Data Group: 48 ending: 4/30/2017)

PARAMETER/LOCATION	DATE	CONCENTRATION	HISTORICAL MINIMUM	HISTORICAL MAXIMUM	N
Specific Conductance (µmhos/cm @25°C)					
200	4/26/2017	362	**440**	2270	80
MW03-803A	4/24/2017	1691	437	**1455**	41
Dissolved Oxygen (mg/L)					
MW03-803A	4/24/2017	4.2	0.4	**3**	41
MW03-804A	4/24/2017	1.6	0.4	**1.3**	40
MW98-601B	4/25/2017	4.5	0	**4**	50
SW-D	4/25/2017	11.9	4	**11**	58
1,1-Dichloroethane (ug/L)					
MW03-802B	4/24/2017	1 U	**2** U	16	14
1,2-Dichloroethane (ug/L)					
MW03-802B	4/24/2017	1 U	**1.2**	5	14
Trichloroethene (ug/L)					
MW03-802B	4/24/2017	1 U	**2** U	9	14
cis-1,2-Dichloroethene (ug/L)					
MW03-802B	4/24/2017	1 U	**2** U	39	14
MW03-803A	4/24/2017	1 U	**1**	3	14
Calcium (mg/L)					
200	4/26/2017	54	**55**	220	78
LCS-3C	4/26/2017	150	**179**	522	7
Iron (mg/L)					
509B	4/25/2017	1.1	0.04	**0.85**	17
516B-B	4/25/2017	2	0.02 U	**1.83**	66
Magnesium (mg/L)					
200	4/26/2017	7.3	**7.8**	97	72
MW03-802B	4/24/2017	57	28	**51.1**	25
MW03-803A	4/24/2017	75	19	**60.8**	26
PDPS	4/26/2017	26	**26.6**	220	72
Manganese (mg/L)					
MW03-802B	4/24/2017	5	**7.1**	47.1	25
Nickel (mg/L)					
MW03-803A	4/24/2017	0.02	0.002 U	**0.017**	9

NOTES:
- Values that are bold indicate the concentrations are outside either the maximum or the minimum range.
- The comparison of the current value to the historical range is only performed if there are at least 4 samples in the historical data set.
- Duplicate Samples are not compared to the historical range

N = Number of samples in the historical data set.

PARAMETER/LOCATION	DATE	CONCENTRATION	HISTORICAL MINIMUM	HISTORICAL MAXIMUM	N
Sodium (mg/L)					
MW03-803A	4/24/2017	42	7.6	**29.7**	26
Total Dissolved Solids (mg/L)					
200	4/26/2017	231	**236**	1200	35
641	4/25/2017	451	**458**	4400	57
MW03-803A	4/24/2017	1178	264	**950**	9
MW-917	4/25/2017	488	**498**	1071	42
SW-C	4/25/2017	35	**54**	114	17
Sulfate (mg/L)					
200	4/26/2017	8.4	**12**	103	78
MW03-802B	4/24/2017	22	1.8	**21.2**	25
P-914A	4/24/2017	69	11	**67.5**	61
Bicarbonate (CaCO3) (mg/L)					
LCS-3C	4/26/2017	5400	1500	**5260**	7
Organic Carbon (mg/L)					
LCS-3C	4/26/2017	2 U	**436**	2020	7
Chloride (mg/L)					
MW02-801A	4/24/2017	400	**437**	1940	43
MW03-803A	4/24/2017	450	5.1	**365**	26
MW-917	4/25/2017	11	0.2 U	**9.6**	63
Methane (ug/L)					
DW-103	4/24/2017	30	**40**	460	34
MW03-802B	4/24/2017	340	**700**	6740	25

NOTES:
- Values that are bold indicate the concentrations are outside either the maximum or the minimum range.
- The comparison of the current value to the historical range is only performed if there are at least 4 samples in the historical data set.
- Duplicate Samples are not compared to the historical range

N = Number of samples in the historical data set.