

## **APPENDIX E**

### **Laboratory Data**

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Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		CBLmw-001	CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	DA2mw-115	DA2mw-115	DA2mw-115
Sample Id		CBLmw-001-D-062018-GW	CBLmw-001-062018-GW	CBLmw-002-062018-GW	CBLmw-003-062118-GW	CBLmw-004-062118-GW	DA2mw-115-062618-GW	DA2mw-115-181002-GW	DA2mw-115-181001-GW
Date		06/20/18	06/20/18	06/20/18	06/21/18	06/21/18	06/26/18	10/24/18	10/24/18
Sample Type		FD	GR	GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number								
Aluminum	7429-90-5	0.22 J	0.42	<0.07 U	0.029 J	0.02 J	<0.07 U	0.019 J	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	<0.001 U	0.00054 J	<0.001 U	<0.001 U	<0.001 U	0.0015 J	0.0015 J	0.0016 J
Barium	7440-39-3	0.032 J	0.033 J	0.051 J	0.038 J	0.02 J	0.021	0.021 J	0.022 J
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	2.8	2.9	6.2	14	5.4	110	120 J	120 J
Chromium	7440-47-3	0.0023 J	0.0044 J	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.00006 J	0.0001 J	0.0001 J	<0.0002 U	<0.0002 U	0.00005 J	<0.0002 U	<0.0002 U
Copper	7440-50-8	0.001 J	0.0011 J	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Iron	7439-89-6	0.6	1.3	<0.085 U	0.035 J	0.067 J	1	0.96	1
Lead	7439-92-1	0.00039 J	0.00082 J	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	1.8	1.9	3.9	2.6	2.2	29	32	32
Manganese	7439-96-5	0.0052	0.0089	0.0072	0.0036	0.0054	0.098	0.1 J	0.11 J
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.0053	0.0048	0.0073	0.0033	0.0043	<0.001 U	<0.001 U	<0.001 U
Potassium	7440-09-7	1 J	1.1 J	2 J	1 J	1.4 J	3.6	3.9	3.8
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	<5 U	<5 U	<5 U	<5 U	<5 U	11	14	12
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.0055 J	0.0057 J	0.02	0.0054 J	0.006 J	<0.008 U	<0.008 U	0.0022 J

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		DET-3	DET-3	DET-3	DET-4	FBQmw-171	FBQmw-171	FWGmw-004
Sample Id		DETMw-003-D-062618-GW	DETMw-003-062618-GW	DET-003-181001-GW	DET-004-181001-GW	FBQmw-171-D-062518-GW	FBQmw-171-062518-GW	FWGmw-004-062518-GW
Date		06/26/18	06/26/18	10/24/18	10/24/18	06/25/18	06/25/18	06/25/18
Sample Type		FD	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Homewood Sandstone	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	<0.07 U	<0.07 U	<0.07 U	NA	NA	0.29 J
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	<0.001 U
Arsenic	7440-38-2	0.012	0.011	0.011	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Barium	7440-39-3	0.049	0.05	0.049 J	0.072 J	NA	NA	0.026
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	NA	NA	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	<0.001 U
Calcium	7440-70-2	88	88	95 J	150 J	NA	NA	86
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	NA	NA	0.00064 J
Cobalt	7440-48-4	0.00033 J	0.00035 J	0.00036 J	<0.0002 U	NA	NA	0.00015 J
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.0018 U	0.0013 J	NA	NA	<0.0018 U
Iron	7439-89-6	1.8	1.8	1.9	<0.085 U	NA	NA	0.38
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	NA	NA	0.00019 J
Magnesium	7439-95-4	33	32	35	29	NA	NA	42
Manganese	7439-96-5	0.27	0.26	0.26	0.037	NA	NA	0.011
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	NA	NA	<0.00008 U
Nickel	7440-02-0	<0.001 U	<0.001 U	<0.001 U	0.00081 J	NA	NA	0.0004 J
Potassium	7440-09-7	2 J	2 J	2.3 J	1.7 J	NA	NA	0.99 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	NA	NA	0.0017 J
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	NA	NA	<0.0001 U
Sodium	7440-23-5	12	12	13	2.3 J	NA	NA	4.4 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	NA	NA	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	NA	NA	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	0.021	NA	NA	0.0027 J

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		FWGmw-004	FWGmw-007	FWGmw-007	FWGmw-011	FWGmw-011	FWGmw-012	FWGmw-012
Sample Id		FWGMW-004-181001-GW	FWGmw-007-062518-GW	FWGmw-007-181001-GW	FWGmw-011-062818	FWGMW-011-181001-GW	FWGmw-012-062818	FWGMW-012-181001-GW
Date		10/22/18	06/25/18	10/30/18	06/28/18	10/23/18	06/28/18	10/23/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	0.035 J	0.19 J	0.1 J	0.78	0.18 J	0.031 J	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	<0.001 U	0.00036 J	<0.001 U	0.0061	0.0043 J	0.0018 J	0.0014 J
Barium	7440-39-3	0.021	0.02	0.021	0.03 J	0.027	0.027 J	0.021
Beryllium	7440-41-7	<0.0003 U	0.00012 J	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	95	120	140	45 J	49	24 J	23
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	0.00085 J	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	<0.0002 U	0.00062 J	0.00041 J	0.0016	0.0013	0.0021	0.0015
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.0018 U	0.00066 J	<0.0018 U	0.00081 J	<0.0018 U
Iron	7439-89-6	0.072 J	0.37	<0.27 U	9.4	6.6	4.3	3
Lead	7439-92-1	<0.0007 U	0.0002 J	<0.0007 U	0.00048 J	0.00018 J	0.00049 J	<0.0007 U
Magnesium	7439-95-4	36	62	71	10	10	6.2	4.8
Manganese	7439-96-5	0.0031 J	0.17 J	0.13 J	0.3	0.28	0.14	0.089
Mercury	7439-97-6	<0.00008 U	<0.00008 U	0.00005 J	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.0003 J	0.0017 J	0.0014 J	0.0017 J	0.0013 J	0.0013 J	0.00098 J
Potassium	7440-09-7	1.1 J	2.4 J	2.4 J	1.3 J	1.8 J	1.4 J	1.1 J
Selenium	7782-49-2	0.00094 J	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	4.1 J	9.1	11 J	5.5 J	5.3	6.7 J	5.5
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	0.00069 J	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	<0.008 U	0.0034 J	0.0022 J	0.0055 J	0.0024 J	0.0036 J	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		FWGmw-015	FWGmw-015	FWGmw-016	FWGmw-016	FWGmw-017	FWGmw-017	FWGmw-018
Sample Id		FWGmw-015-062518-GW	FWGmw-015-181001-GW	FWGmw-016-062518-GW	FWGmw-016-181001-GW	FWGmw-017-062118-GW	FWGmw-017-181001-GW	FWGmw-018-062118-GW
Date		06/25/18	10/24/18	06/25/18	10/25/18	06/21/18	10/25/18	06/21/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	0.032 J	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0005 J	0.00079 J	0.0041 J	0.004 J	0.0031 J	0.0033 J	0.021
Barium	7440-39-3	0.011	0.011	0.051	0.049	0.12 J	0.12 J	0.069 J
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	270	270	100	100	60	68	83
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.00025 J	0.00073 J	<0.0002 U	<0.0002 U	0.00031 J	0.0004 J	0.0018
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Iron	7439-89-6	0.063 J	0.21	0.63	0.68	0.33	0.43	0.42
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	0.00028 J	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	270	250	27	28	23	27	24
Manganese	7439-96-5	0.24	0.55	0.19	0.2	0.26	0.31 J	0.18
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.0012 J	0.0012 J	<0.001 U	0.00088 J	0.001 J	0.001 J	0.0027 J
Potassium	7440-09-7	3.6	3.5	2.3 J	2.2 J	1.8 J	1.8 J	2.2 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 UJ	<0.0001 U
Sodium	7440-23-5	44	45 J	11	11 J	14 J	12	18 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	<0.008 U	<0.008 U	<0.008 U	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		FWGmw-018	FWGmw-020	FWGmw-020	FWGmw-021	FWGmw-021	FWGmw-024	FWGmw-024	L10mw-003
Sample Id		FWGmw-018-181001-GW	FWGmw-020-062118-GW	FWGmw-020-181001-GW	FWGmw-021-062118-GW	FWGmw-021-181001-GW	FWGmw-024-062118-GW	FWGmw-024-181001-GW	LL10mw-003-062618-GW
Date		10/26/18	06/21/18	10/26/18	06/21/18	10/25/18	06/21/18	10/25/18	06/26/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Basal Sharon Conglomerate	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Homewood Sandstone
Analyte (mg/L)	CAS Number								
Aluminum	7429-90-5	<0.07 U	<0.07 U	<0.07 U	0.018 J	<0.07 U	<0.07 U	<0.07 U	<0.07 U
Antimony	7440-36-0	<0.001 U	0.00045 J	<0.001 U	0.00041 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.023	0.059	0.027	0.0012 J	0.0015 J	0.0032 J	0.003 J	<0.001 U
Barium	7440-39-3	0.07	0.084 J	0.081	0.014 J	0.017	0.0085 J	0.0087	0.0023 J
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	91	91	100	18	18	64	72 J	58 J
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.0023	0.0028	0.0038	0.002	0.003	0.00066 J	0.00053 J	<0.0002 U
Copper	7440-50-8	<0.0018 U	0.00083 J	<0.0018 U	0.00084 J	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Iron	7439-89-6	0.54	1.8	0.89	2.1	4.7	1.6	1.1	0.043 J
Lead	7439-92-1	<0.0007 U	0.00019 J	<0.0007 U	0.00019 J	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	27	30	34	6.3	6.9	18	21	16
Manganese	7439-96-5	0.17	0.065	0.072	0.23	0.55	0.25	0.26	<0.00095 U
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.0032	0.0024 J	0.0023 J	0.0051	0.01 J	0.002 J	0.0015 J	<0.001 U
Potassium	7440-09-7	2.2 J	4.3	4.4	1.4 J	1.5 J	1 J	0.99 J	0.74 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	16 J	16 J	16 J	3.5 J	3.9 J	5.5 J	5.7	7.4 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 UJ	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	0.018 J	0.021	<0.008 U	<0.008 U	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		L10mw-003	L10mw-003	L10mw-005	L10mw-005	L12mw-185	L12mw-185	L12mw-187
Sample Id		LL10mw-003-181002-GW	LL10mw-003-181001-GW	LL10mw-005-062818-GW	LL10mw-005-181001-GW	LL12mw-185-062718-GW	LL12mw-185-181001-GW	LL12mw-187-062718-GW
Date		10/29/18	10/29/18	06/28/18	10/29/18	06/27/18	10/29/18	06/27/18
Sample Type		FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	0.022 J	0.021 J	<0.07 U	<0.07 U	NA	NA	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	<0.001 U
Arsenic	7440-38-2	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00045 J	0.0007 J	0.00046 J
Barium	7440-39-3	0.0019 J	0.0022 J	0.0073 J	0.0066	NA	NA	0.25
Beryllium	7440-41-7	<0.0003 U	0.00008 J	<0.0003 U	<0.0003 U	NA	NA	<0.0003 UJ
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	<0.001 U
Calcium	7440-70-2	62	61	63	67	NA	NA	1000
Chromium	7440-47-3	0.0005 J	<0.0018 U	<0.0018 U	<0.0018 U	NA	NA	<0.0018 U
Cobalt	7440-48-4	<0.0002 U	<0.0002 U	<0.0002 U	0.00007 J	NA	NA	0.011
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.00074 U	<0.0018 U	NA	NA	0.00072 J
Iron	7439-89-6	<0.085 U	<0.085 U	<0.085 U	<0.085 U	NA	NA	0.037 J
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	NA	NA	<0.0007 U
Magnesium	7439-95-4	17	17	14	15	NA	NA	330
Manganese	7439-96-5	<0.00095 U	<0.00095 U	0.87 J	0.62	NA	NA	2.4
Mercury	7439-97-6	0.00005 J	0.00005 J	<0.00008 U	0.00005 J	NA	NA	<0.00008 U
Nickel	7440-02-0	<0.001 U	<0.001 U	0.0012 J	0.00095 J	NA	NA	0.015
Potassium	7440-09-7	0.65 J	0.5 J	0.64 J	0.58 J	NA	NA	56
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	NA	NA	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	NA	NA	<0.0001 U
Sodium	7440-23-5	8.4	8.2	3.4 J	4.4 J	NA	NA	41
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	NA	NA	0.00064 J
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	NA	NA	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	<0.008 U	NA	NA	0.005 J



Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		L12mw-187	L12mw-242	L12mw-242	L12mw-242	L12mw-242	L12mw-242	L12mw-242
Sample Id		LL12mw-187-181001-GW	LL12mw-242-D-062718-G	LL12mw-242-D-062718-G	LL12mw-242-062718-GW	LL12mw-242-062718-GW	LL12mw-242-181001-GW	LL12mw-242-181001-GW
Date		10/31/18	06/27/18	06/27/18	06/27/18	06/27/18	10/29/18	10/29/18
Sample Type		GR	FD	FD	GR	GR	GR	GR
Filter Status		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U	2.1	NA
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 UJ	<0.001 U	<0.001 UJ	0.00072 J	<0.001 U
Arsenic	7440-38-2	0.00053 J	0.0054	0.01	0.0052	0.0097	0.02	0.021
Barium	7440-39-3	0.27	0.028	0.028 J	0.029	0.028 J	0.027	0.028
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	0.00033 J	0.0003 J
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 UJ	<0.001 U	<0.001 UJ	<0.001 U	<0.001 U
Calcium	7440-70-2	1100	72	69	71	68	74	77
Chromium	7440-47-3	0.0005 J	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	0.0017 J	0.00098 J
Cobalt	7440-48-4	0.011	0.00049 J	0.00053 J	0.00047 J	0.00055 J	0.0013	0.0013
Copper	7440-50-8	0.0011 J	<0.0018 U	<0.0018 UJ	<0.0018 U	<0.0018 UJ	0.0015 J	0.0022
Iron	7439-89-6	0.039 J	<0.085 U	0.49	<0.085 U	0.45	3.2	3.6
Lead	7439-92-1	0.00023 J	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	0.00093 J	0.0014 J
Magnesium	7439-95-4	340	46	43	45	42	48	48
Manganese	7439-96-5	2.5 J	0.058 J	0.066 J	1.6	0.069 J	0.093	0.12 J
Mercury	7439-97-6	0.00005 J	<0.00008 U	<0.00008 U	<0.00008 UJ	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.015	0.00038 J	<0.001 U	0.00036 J	0.00032 J	0.0028 J	0.0013 J
Potassium	7440-09-7	62	2 J	1.8 J	1.9 J	1.8 J	3.2	2.1 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	42 J	32	30	30	31	22 J	22
Thallium	7440-28-0	0.00084 J	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	0.00006 J	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 UJ	<0.002 U	<0.002 UJ	<0.002 U	NA
Zinc	7440-66-6	0.0058 J	0.002 J	<0.008 U	0.0021 J	<0.008 U	0.0069 J	0.0039 J

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		L12mw-245	L12mw-245	L12mw-245	L12mw-247	L12mw-247	L12mw-247	LL1mw-064
Sample Id		LL12mw-245-062718-GW	LL12mw-245-181001-GW	LL12mw-245-181001-GW	LL12mw-247-D-062618-G	LL12mw-247-062618-GW	LL12mw-247-181001-GW	LL1mw-064-062718-GW
Date		06/27/18	10/31/18	10/31/18	06/26/18	06/26/18	10/29/18	06/28/18
Sample Type		GR	GR	GR	FD	GR	GR	GR
Filter Status		Total	Dissolved	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	1.7	NA	1.1	0.48	0.29 J	0.026 J
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 UJ	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0047 J	0.0058	0.015	0.0088	0.0083	0.0088	0.0061
Barium	7440-39-3	0.024	0.027	0.034	0.03	0.024	0.025	0.047 J
Beryllium	7440-41-7	<0.0003 UJ	<0.0003 U	<0.0003 U	0.00011 J	<0.0003 U	0.00016 J	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	160	160	160	96	92	98	58
Chromium	7440-47-3	<0.0018 U	0.0021 J	0.0036 J	0.002 J	0.00072 J	0.0009 J	<0.0018 U
Cobalt	7440-48-4	0.00081 J	0.0018	0.0033	0.0015	0.0008 J	0.00097 J	0.00009 J
Copper	7440-50-8	<0.0018 U	0.0011 J	0.0047	0.001 J	<0.0018 U	<0.0018 U	<0.00057 U
Iron	7439-89-6	0.48	3.3	24	2.6	1.7	1.4	1.7
Lead	7439-92-1	<0.0007 U	0.00094 J	0.0045	0.00084 J	0.00035 J	0.00044 J	0.00018 J
Magnesium	7439-95-4	74	77	77	51	50	52	9.3
Manganese	7439-96-5	0.1	0.13	0.23 J	0.25	0.22 J	0.19	0.14 J
Mercury	7439-97-6	<0.00008 U	<0.00008 U	0.00006 J	<0.00008 U	<0.00008 U	0.00004 J	<0.00008 U
Nickel	7440-02-0	0.0012 J	0.003	0.005	0.0024 J	0.00097 J	0.0014 J	<0.001 U
Potassium	7440-09-7	3.5	4.8	5.8	2.7 J	2.5 J	2.7 J	0.72 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	26	27 J	26 J	22	22	24	5.1
Thallium	7440-28-0	<0.0002 U	<0.0002 U	0.00006 J	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.0028 U	<0.0018 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.0032 J	<0.008 U	0.012 J	0.007 J	0.003 J	0.0044 J	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		LL1mw-064	LL1mw-065	LL1mw-065	LL1mw-084	LL1mw-084	LL1mw-086	LL1mw-086
Sample Id		LL1mw-064-181001-GW	LL1mw-065-062718-GW	LL1MW-065-181001-GW	LL1mw-084-062718-GW	LL1mw-084-181001-GW	LL1mw-086-062718-GW	LL1mw-086-062718-GW
Date		10/22/18	06/28/18	10/23/18	06/27/18	10/24/18	06/28/18	06/28/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Dissolved	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	0.044 J	<0.07 U	<0.07 U	0.82	0.5 J	<0.07 U	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	0.00055 J	<0.001 U	<0.001 U	<0.001 UJ
Arsenic	7440-38-2	0.0049 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.0017 J	0.0016 J
Barium	7440-39-3	0.054	0.043 J	0.047	0.015	0.016 J	0.036	0.049 J
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.00045 U	0.00013 J	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	0.0015	0.0017	<0.001 U	<0.001 UJ
Calcium	7440-70-2	62	79	85	51	51 J	21	38
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.00028 J	0.00007 J	0.00017 J	0.015	0.013	0.00019 J	0.00022 J
Copper	7440-50-8	<0.0018 U	<0.00087 U	<0.0018 U	0.0091	0.0053	<0.0018 U	<0.0018 UJ
Iron	7439-89-6	1.1	<0.085 U	0.031 J	0.028 J	<0.085 U	<0.085 U	<0.085 U
Lead	7439-92-1	0.00018 J	<0.0007 U	<0.0007 U	0.0012 J	0.001 J	<0.0007 U	0.00019 J
Magnesium	7439-95-4	9.5	20	19	3.3	3.6	33	28
Manganese	7439-96-5	0.19	0.052 J	0.1	0.18 J	0.14	0.0045	0.064 J
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	<0.001 U	<0.001 U	<0.001 U	0.029	0.034	0.0014 J	0.001 J
Potassium	7440-09-7	1 J	1.2 J	1.3 J	3	3.6	13	13
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	0.0016 J	0.0015 J	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	5	12	11	3.2 J	3.7 J	9.9	9.4
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	0.00037 J	0.00046 J	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 UJ
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	0.061	0.067	<0.008 U	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station	CAS Number	LL1mw-086	LL1mw-087	LL1mw-087	LL1mw-088	LL1mw-088	LL1mw-088	LL2mw-059
Sample Id		LL1MW-086-181001-GW	LL1mw-087-062818-GW	LL1mw-087-181001-GW	LL1mw-088-062118-GW	LL1mw-088-181002-GW	LL1mw-088-181001-GW	LL2mw-059-062618-GW
Date		10/22/18	06/28/18	10/26/18	06/21/18	10/22/18	10/22/18	06/26/18
Sample Type		GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon
Analyte (mg/L)								
Aluminum	7429-90-5	2.8	0.32	0.055 J	0.61	0.038 J	0.039 J	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0085	0.00086 J	<0.001 U	0.029	0.03	0.029	<0.001 U
Barium	7440-39-3	0.21	0.024 J	0.024	0.04 J	0.035	0.037	0.0029 J
Beryllium	7440-41-7	0.00028 J	<0.0003 U	<0.0003 U	<0.0003 U	0.00021 J	<0.0003 U	<0.0003 UJ
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	83	97	130	78	87	88	27
Chromium	7440-47-3	0.0067 J	<0.0018 U	0.0005 J	0.00084 J	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.0045	0.00071 J	0.00045 J	0.00051 J	0.00014 J	0.0001 J	0.00047 J
Copper	7440-50-8	0.0091	<0.0016 U	0.00072 J	0.0015 J	<0.0018 U	<0.0018 U	<0.0018 U
Iron	7439-89-6	10	0.71	0.14	2.5	1.6	1.6	0.041 J
Lead	7439-92-1	0.0052	0.00035 J	<0.0007 U	0.00045 J	<0.0007 U	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	50	29	42	34	35	35	10
Manganese	7439-96-5	0.55	0.2 J	0.14	0.061	0.047	0.045	0.019
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.011	0.0019 J	0.0021 J	0.00088 J	<0.001 U	<0.001 U	0.0026 J
Potassium	7440-09-7	8.5	1.3 J	0.92 J	3.8	2.5 J	2.5 J	0.8 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	7.1	15	14 J	27 J	25	25	3.8 J
Thallium	7440-28-0	0.00008 J	<0.0002 U	0.00007 J	<0.0002 U	0.00006 J	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.0062 UJ	<0.00058 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.024	0.0033 J	0.0035 J	0.002 J	0.0035 J	<0.008 U	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		LL2mw-059	LL2mw-267	LL2mw-267	LL3mw-244	LL3mw-244	LL3mw-246	LL3mw-246	LL3mw-246
Sample Id		LL2mw-059-181001-GW	LL2mw-267-062818-GW	LL2mw-267-181001-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	LL3mw-246-D-062118-GW	LL3mw-246-062118-GW	LL3mw-246-181001-GW
Date		10/25/18	06/28/18	10/25/18	06/26/18	10/26/18	06/21/18	06/21/18	10/25/18
Sample Type		GR	GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number								
Aluminum	7429-90-5	<0.07 U	0.066 J	0.067 J	0.025 J	<0.07 U	<0.07 U	<0.07 U	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00054 J	0.00048 J	0.0004 J	<0.001 U
Arsenic	7440-38-2	<0.001 U	0.0042 J	0.0023 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Barium	7440-39-3	0.0027	0.019 J	0.018	0.014	0.017	0.014 J	0.013 J	0.016
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 UJ	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	28	45	32	22	23	20	19	23
Chromium	7440-47-3	<0.0018 U	<0.0018 U	0.00056 J	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.00033 J	0.0042	0.0033	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Copper	7440-50-8	<0.0018 U	<0.0018 UJ	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Iron	7439-89-6	<0.085 U	5.9	2.3	0.045 J	<0.085 U	<0.085 U	0.054 J	<0.085 U
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	12	18	14	6.9	7.4	6.3	6	7.3
Manganese	7439-96-5	0.12	0.77 J	0.56	0.0012 J	0.0005 J	0.00043 J	0.00061 J	0.00067
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	0.00093 J	<0.00008 U
Nickel	7440-02-0	0.0059 J	0.0032	0.0031 J	0.0013 J	0.0036	0.0013 J	0.0015 J	0.0015 J
Potassium	7440-09-7	0.71 J	0.89 J	0.63 J	1.3 J	1.3 J	1.4 J	1.3 J	1.3 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	3.1 J	8.5	7.4 J	3.2 J	3.2 J	<5 U	<5 U	3.3 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	0.0023 J	0.003 J	0.0029 J	<0.008 U	<0.008 U

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		LL7mw-001	LL7mw-001	NTAmw-119	NTAmw-119	NTAmw-119	NTAmw-119	RQLmw-007
Sample Id		LL7mw-001-062518-GW	LL7mw-001-181001-GW	NTAmw-119-D-062518-GW	NTAmw-119-062518-GW	NTAmw-119-181002-GW	NTAmw-119-181001-GW	RQLmw-007-D-062818-GW
Date		06/25/18	10/30/18	06/25/18	06/25/18	10/30/18	10/30/18	06/28/18
Sample Type		GR	GR	FD	GR	FD	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	<0.07 U	0.05 J	0.1 J	0.12 J	0.12 J	0.035 J
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0019 J	0.0018 J	0.0061	0.0067	0.0066	0.0068	0.0044 J
Barium	7440-39-3	0.02	0.02	0.084	0.089	0.081	0.084	0.033 J
Beryllium	7440-41-7	0.00032 J	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	37	37	83	83	86	85	110 J
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.006	0.0059	0.00008 J	0.00016 J	0.00016 J	0.00015 J	0.011
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	0.0053
Iron	7439-89-6	10	9	1	1.1	1.2	1.2	0.98
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	0.00022 J	0.00026 J	0.0011 J
Magnesium	7439-95-4	12	12	21	21	22	22	61
Manganese	7439-96-5	0.43 J	0.4 J	0.34	0.36	0.33 J	0.33 J	1.2
Mercury	7439-97-6	<0.00008 U	0.00005 J	<0.00008 U	<0.00008 U	0.00005 J	0.00005 J	<0.00008 U
Nickel	7440-02-0	0.0087	0.0083	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.028
Potassium	7440-09-7	1.2 J	0.94 J	1.4 J	1.3 J	1.2 J	1.1 J	4.9
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	5.3	6.3 J	6.6	6.7	7.3 J	7.1	<5 U
Thallium	7440-28-0	0.00013 J	0.00015 J	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	0.00009 J
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.051	0.046	<0.008 U	<0.008 U	<0.008 U	<0.008 U	0.014 J

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		RQLmw-007	RQLmw-007	RQLmw-008	RQLmw-008	RQLmw-009	RQLmw-009	SCFmw-004	SCFmw-004
Sample Id		RQLmw-007-062818-GW	RQLmw-007-181001-GW	RQLmw-008-062818-GW	RQLmw-008-181001-GW	RQLmw-009-062818-GW	RQLmw-009-181001-GW	SCFmw-004-062818-GW	SCFmw-004-181001-GW
Date		06/28/18	10/22/18	06/28/18	10/22/18	06/28/18	10/19/18	06/28/18	10/26/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate
Analyte (mg/L)	CAS Number								
Aluminum	7429-90-5	0.021 J	<0.07 U	<0.07 U	<0.07 U	0.12 J	0.043 J	0.045 J	0.031 J
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0038 J	0.032	0.012	0.02	0.0026 J	0.0069	<0.001 U	<0.001 U
Barium	7440-39-3	0.035 J	0.05	0.054 J	0.055	0.024 J	0.033	0.054 J	0.056
Beryllium	7440-41-7	<0.001 U	<0.0003 U	<0.0003 U	<0.0003 U	<0.001 U	<0.0003 U	<0.0003 U	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	110 J	150	43 J	58	18 J	20	170	170
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	0.00061 J	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.012	0.0041	0.0021	0.0042	0.0023	0.0034	<0.0002 U	<0.0002 U
Copper	7440-50-8	0.0056	<0.0018 U	0.00062 J	<0.0018 U	0.0049	0.0014 J	0.032 J	0.0076
Iron	7439-89-6	0.86	12	23	53	3.3	6.4	<0.05 U	0.038 J
Lead	7439-92-1	0.00093 J	<0.0007 U	<0.0007 U	<0.0007 U	0.0033	0.00076 J	0.0051	0.0021 J
Magnesium	7439-95-4	62	97	50	49	23	23	63	67
Manganese	7439-96-5	1.2	1.1	0.53	0.5	0.51	0.74	0.75 J	0.78
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	0.00031	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.028	0.01	0.0033	0.0095	0.0049	0.0049	<0.001 U	<0.001 U
Potassium	7440-09-7	4.9	6.9	2.4 J	3.9	3.5	3.7	3	2.8 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	<5 U	5.1	<5 U	3.6 J	<5 U	1.3 J	13	13 J
Thallium	7440-28-0	0.00011 J	<0.0002 U	0.00005 J	0.00026 J	0.0001 J	0.00011 J	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.013 J	0.0035 J	0.029	0.82	0.0034 J	<0.008 U	0.12	0.042

Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station		SCLmw-001	SCLmw-002	SCLmw-002	SCLmw-003	WBGmw-006	WBGmw-006	WBGmw-009
Sample Id		SCLmw-001-181001-GW	SCLmw-002-181002-GW	SCLmw-002-181001-GW	SCLmw-003-181001-GW	WBGmw-006-062618-GW	WBGmw-006-181001-GW	WBGmw-009-062618-GW
Date		11/02/18	11/01/18	11/01/18	11/02/18	06/26/18	10/23/18	06/26/18
Sample Type		GR	FD	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Aluminum	7429-90-5	<0.07 U	<0.07 U	<0.07 U	0.33	<0.07 U	<0.07 U	0.17 J
Antimony	7440-36-0	0.016	<0.001 U	<0.001 U	<0.0014 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	0.0048 J	0.0019 J	0.0019 J	0.01	<0.001 U	<0.001 U	<0.001 U
Barium	7440-39-3	0.11 J	0.054 J	0.055 J	0.041 J	0.021	0.023	0.016
Beryllium	7440-41-7	0.00009 J	<0.0003 UJ	<0.0003 UJ	<0.0003 UJ	0.00009 J	<0.0003 U	<0.0003 UJ
Cadmium	7440-43-9	0.00034 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	170	190 J	190 J	120	75	76	68
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	0.00086 J	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.0025	0.00007 J	0.00006 J	0.0066	0.00037 J	0.00034 J	0.0003 J
Copper	7440-50-8	0.0017 J	<0.0018 U	<0.0018 U	0.0013 J	0.00064 J	<0.0018 U	<0.0018 U
Iron	7439-89-6	0.09 J	8	7.7	0.61	0.043 J	0.042 J	0.28
Lead	7439-92-1	0.00031 J	<0.0007 U	<0.0007 U	0.00061 J	<0.0007 U	<0.0007 U	0.00049 J
Magnesium	7439-95-4	32	23	24	51	24	24	20
Manganese	7439-96-5	0.21	0.75	0.76	0.25	0.13	0.15	0.1
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.0098 J	<0.001 UJ	<0.001 UJ	0.014 J	0.00037 J	<0.001 U	0.001 J
Potassium	7440-09-7	4.5	4.3	4.5	5.5	0.9 J	1.1 J	0.83 J
Selenium	7782-49-2	0.00085 J	<0.002 U	<0.002 U	0.0009 J	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	0.00018 J	<0.0001 U	<0.0001 U	<0.0001 UJ	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	24 J	8.2 J	8.2 J	26 J	5.6	5.5	3.9 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	0.0001 J	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	<0.008 U	<0.008 U	<0.008 U	<0.008 U	<0.008 U	<0.008 U	0.0045 J



Table E-1. 2018 Groundwater Sample Analytical Results - Metals

Station	CAS Number	WBGmw-009	WBGmw-020	WBGmw-020	WBGmw-021	WBGmw-021
Sample Id		WBGmw-009-181001-GW	WBGmw-020-062618-GW	WBGmw-020-181001-GW	WBGmw-021-062618-GW	WBGmw-021-181001-GW
Date		10/23/18	06/26/18	10/23/18	06/26/18	10/23/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
Aluminum	7429-90-5	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U
Antimony	7440-36-0	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Arsenic	7440-38-2	<0.001 U	0.0014 J	0.0012 J	0.0079	0.0062
Barium	7440-39-3	0.011 J	0.016	0.015	0.059	0.052
Beryllium	7440-41-7	<0.0003 U	<0.0003 U	<0.0003 U	0.00021 J	<0.0003 U
Cadmium	7440-43-9	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
Calcium	7440-70-2	54 J	31	32	74	78
Chromium	7440-47-3	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U	<0.0018 U
Cobalt	7440-48-4	0.00016 J	0.00045 J	0.00048 J	0.00033 J	0.00023 J
Copper	7440-50-8	<0.0018 U	<0.0018 U	<0.0018 U	0.0013 J	<0.0018 U
Iron	7439-89-6	<0.085 U	3.8	3.8	0.98	0.8
Lead	7439-92-1	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U	<0.0007 U
Magnesium	7439-95-4	16	10	10	18	18
Manganese	7439-96-5	0.022	0.29 J	0.29	0.38	0.28
Mercury	7439-97-6	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U	<0.00008 U
Nickel	7440-02-0	0.00092 J	0.0025 J	0.0027 J	0.00035 J	<0.001 U
Potassium	7440-09-7	0.62 J	0.68 J	0.89 J	1.3 J	1.5 J
Selenium	7782-49-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Silver	7440-22-4	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
Sodium	7440-23-5	3.6 J	3.8 J	3.9 J	4.9 J	4.7 J
Thallium	7440-28-0	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Vanadium	7440-62-2	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U
Zinc	7440-66-6	0.0024 J	<0.008 U	<0.008 U	<0.008 U	<0.008 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	CBLmw-001	CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004
Sample Id		CBLmw-001-D-062018-GW	CBLmw-001-062018-GW	CBLmw-002-062018-GW	CBLmw-003-062118-GW	CBLmw-004-062118-GW
Date		06/20/18	06/20/18	06/20/18	06/21/18	06/21/18
Sample Type		FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.0005 UJ	<0.00046 UJ	<0.00049 UJ	<0.00041 U	<0.00045 U
1,3-Dinitrobenzene	99-65-0	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
2,4-Dinitrotoluene	121-14-2	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
2,6-Dinitrotoluene	606-20-2	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
2-Amino-4,6-Dinitro	35572-78-2	<0.00015 UJ	<0.00014 UJ	<0.00015 UJ	<0.00012 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
3-Nitrotoluene	99-08-1	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
4-Amino-2,6-Dinitro	19406-51-0	<0.00015 UJ	<0.00014 UJ	<0.00015 UJ	<0.00012 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.0005 UJ	<0.00046 UJ	<0.00049 UJ	<0.00041 U	<0.00045 U
HMX	2691-41-0	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
Nitrobenzene	98-95-3	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0025 UJ	<0.0023 UJ	<0.0025 UJ	<0.002 U	<0.0022 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0015 UJ	<0.0014 UJ	<0.0015 UJ	<0.0012 U	<0.0013 U
RDX	121-82-4	<0.00015 UJ	<0.00014 UJ	<0.00015 UJ	<0.00012 U	<0.00013 U
Tetryl	479-45-8	<0.00025 UJ	<0.00023 UJ	<0.00025 UJ	<0.0002 U	<0.00022 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	DA1tw-001	DA2mw-115	DA2mw-115	DA2mw-115	DET-3
Sample Id		DA1tw-001-181001-GW	DA2mw-115-062618-GW	DA2mw-115-181002-GW	DA2mw-115-181001-GW	DETmw-003-D-062618-GW
Date		11/01/18	06/26/18	10/24/18	10/24/18	06/26/18
Sample Type		GR	GR	FD	GR	FD
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00043 U	<0.0004 U	<0.00044 U	<0.00044 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
3-Nitrotoluene	99-08-1	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00043 U	<0.0004 U	<0.00044 U	<0.00044 U	<0.00042 U
HMX	2691-41-0	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 UJ	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0022 U	<0.002 U	<0.0022 U	<0.0022 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0013 U
RDX	121-82-4	<0.00013 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
Tetryl	479-45-8	<0.00022 U	<0.0002 U	<0.00022 U	<0.00022 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	DET-3	DET-3	DET-4	FBQmw-174	FWGmw-004
Sample Id		DETmw-003-062618-GW	DET-003-181001-GW	DET-004-181001-GW	FBQmw-174-062518-GW	FWGmw-004-062518-GW
Date		06/26/18	10/24/18	10/24/18	06/25/18	06/25/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00042 U	<0.00043 U	<0.00045 U	<0.00041 U	<0.0004 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.00021 U	<0.00022 U	0.028	<0.0002 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.00021 U	<0.00022 U	0.00029 J	<0.0002 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00013 U	<0.00013 U	0.0091	<0.00012 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00013 U	<0.00013 U	0.025	<0.00012 U
4-Nitrotoluene	99-99-0	<0.00042 U	<0.00043 U	<0.00045 U	<0.00041 U	<0.0004 U
HMX	2691-41-0	<0.00021 U	<0.00021 U	0.0021	<0.0002 U	<0.0002 U
Nitrobenzene	98-95-3	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.0021 U	<0.0022 U	<0.002 U	<0.002 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0013 U	<0.0013 U	<0.0012 U	<0.0012 U
RDX	121-82-4	<0.00013 U	<0.00013 U	0.00067	<0.00012 U	<0.00012 U
Tetryl	479-45-8	<0.00021 U	<0.00021 U	<0.00022 U	<0.0002 U	<0.0002 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station		FWGmw-004	FWGmw-007	FWGmw-007	FWGmw-011	FWGmw-011
Sample Id		FWGMW-004-181001-GW	FWGmw-007-062518-GW	FWGmw-007-181001-GW	FWGmw-011-062818	FWGMW-011-181001-GW
Date		10/22/18	06/25/18	10/30/18	06/28/18	10/23/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number					
1,3,5-Trinitrobenzene	99-35-4	<0.0004 UJ	<0.00043 U	<0.00045 U	<0.00042 U	<0.00039 UJ
1,3-Dinitrobenzene	99-65-0	<0.0002 UJ	<0.00021 U	<0.00023 U	<0.00021 U	<0.0002 UJ
2,4,6-Trinitrotoluene	118-96-7	<0.0002 UJ	<0.00021 UJ	<0.00023 U	<0.00021 U	<0.0002 UJ
2,4-Dinitrotoluene	121-14-2	<0.0002 UJ	<0.00021 U	<0.00023 U	<0.00021 U	<0.0002 UJ
2,6-Dinitrotoluene	606-20-2	<0.0002 UJ	<0.00021 UJ	<0.00023 U	<0.00021 U	<0.0002 UJ
2-Amino-4,6-Dinitroto	35572-78-2	<0.00012 UJ	<0.00013 U	<0.00014 U	<0.00013 U	<0.00012 UJ
2-Nitrotoluene	88-72-2	<0.0002 UJ	<0.00021 UJ	<0.00023 U	<0.00021 U	<0.0002 UJ
3-Nitrotoluene	99-08-1	<0.0002 UJ	<0.00021 UJ	<0.00023 U	<0.00021 U	<0.0002 UJ
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 UJ	<0.00013 U	<0.00014 U	<0.00013 U	<0.00012 UJ
4-Nitrotoluene	99-99-0	<0.0004 UJ	0.00054 J	<0.00045 U	<0.00042 U	<0.00039 UJ
HMX	2691-41-0	<0.0002 UJ	<0.00021 U	<0.00023 U	<0.00021 U	<0.0002 UJ
Nitrobenzene	98-95-3	<0.0002 UJ	<0.00021 U	<0.00023 U	<0.00021 U	<0.0002 UJ
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.002 UJ	<0.0021 U	<0.0023 U	<0.0021 U	<0.002 UJ
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0012 UJ	<0.0013 UJ	<0.0014 U	<0.0013 U	<0.0012 UJ
RDX	121-82-4	<0.00012 UJ	<0.00013 U	<0.00014 U	<0.00013 U	<0.00012 UJ
Tetryl	479-45-8	<0.0002 UJ	<0.00021 U	<0.00023 U	<0.00021 U	<0.0002 UJ

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station		FWGmw-012	FWGmw-012	FWGmw-015	FWGmw-015	FWGmw-016
Sample Id		FWGmw-012-062818	FWGMW-012-181001-GW	FWGmw-015-062518-GW	FWGmw-015-181001-GW	FWGmw-016-062518-GW
Date		06/28/18	10/23/18	06/25/18	10/24/18	06/25/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Upper Sharon
Analyte (mg/L)	CAS Number					
1,3,5-Trinitrobenzene	99-35-4	<0.00042 U	<0.0004 UJ	<0.00042 U	<0.00042 U	<0.00039 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00012 UJ	<0.00013 U	<0.00013 U	<0.00012 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00012 UJ	<0.00013 U	<0.00013 U	<0.00012 U
4-Nitrotoluene	99-99-0	<0.00042 U	<0.0004 UJ	<0.00042 U	<0.00042 U	<0.00039 U
HMX	2691-41-0	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
Nitrobenzene	98-95-3	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.002 UJ	<0.0021 U	<0.0021 U	<0.0019 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 UJ	<0.0013 U	<0.0013 U	<0.0012 U
RDX	121-82-4	<0.00013 U	<0.00012 UJ	<0.00013 U	<0.00013 U	<0.00012 U
Tetryl	479-45-8	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 U	<0.00019 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station		FWGmw-016	FWGmw-017	FWGmw-017	FWGmw-018	FWGmw-018
Sample Id		FWGmw-016-181001-GW	FWGmw-017-062118-GW	FWGmw-017-181001-GW	FWGmw-018-062118-GW	FWGmw-018-181001-GW
Date		10/25/18	06/21/18	10/25/18	06/21/18	10/26/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate
Analyte (mg/L)	CAS Number					
1,3,5-Trinitrobenzene	99-35-4	<0.00044 U	<0.00047 U	<0.00047 U	<0.00044 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00014 U	<0.00014 U	<0.00013 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00022 UJ	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 UJ
3-Nitrotoluene	99-08-1	<0.00022 UJ	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00014 U	<0.00014 U	<0.00013 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00044 U	<0.00047 U	<0.00047 U	<0.00044 U	<0.00042 U
HMX	2691-41-0	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	<1 U	NA	<1 U	NA
Nitroglycerin	55-63-0	<0.0022 U	<0.0024 U	<0.0023 U	<0.0022 U	<0.0021 U
Nitroguanidine	556-88-7	NA	<0.006 U	NA	<0.006 U	NA
PETN	78-11-5	<0.0013 U	<0.0014 U	<0.0014 U	<0.0013 U	<0.0013 U
RDX	121-82-4	<0.00013 U	<0.00014 U	<0.00014 U	<0.00013 U	<0.00013 U
Tetryl	479-45-8	<0.00022 U	<0.00024 U	<0.00023 U	<0.00022 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	FWGmw-019	FWGmw-020	FWGmw-020	FWGmw-021	FWGmw-021
Sample Id		FWGmw-019-062618-GW	FWGmw-020-062118-GW	FWGmw-020-181001-GW	FWGmw-021-062118-GW	FWGmw-021-181002-GW
Date		06/26/18	06/21/18	10/26/18	06/21/18	10/25/18
Sample Type		GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total
Aquifer		Basal Sharon Conglomerate	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	NA	<0.00048 U	<0.00044 U	<0.00041 U	<0.00045 U
1,3-Dinitrobenzene	99-65-0	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
2,4-Dinitrotoluene	121-14-2	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
2,6-Dinitrotoluene	606-20-2	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
2-Amino-4,6-Dinitroto	35572-78-2	NA	<0.00014 U	<0.00013 U	0.00042 J	<0.00013 U
2-Nitrotoluene	88-72-2	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
3-Nitrotoluene	99-08-1	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
4-Amino-2,6-Dinitroto	19406-51-0	NA	<0.00014 U	<0.00013 U	0.00043 J	<0.00013 U
4-Nitrotoluene	99-99-0	NA	<0.00048 U	<0.00044 U	<0.00041 U	<0.00045 U
HMX	2691-41-0	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
Nitrobenzene	98-95-3	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U
Nitrocellulose	9004-70-0	<1 R	<1 U	NA	<1 U	NA
Nitroglycerin	55-63-0	NA	<0.0024 U	<0.0022 U	<0.002 U	<0.0022 U
Nitroguanidine	556-88-7	<0.006 R	<0.006 U	NA	<0.006 U	NA
PETN	78-11-5	NA	<0.0014 U	<0.0013 U	<0.0012 U	<0.0013 U
RDX	121-82-4	NA	<0.00014 U	<0.00013 U	0.00011 J	0.00065 J
Tetryl	479-45-8	NA	<0.00024 U	<0.00022 U	<0.0002 U	<0.00022 U



Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station		FWGmw-021	FWGmw-022	FWGmw-023	FWGmw-024	FWGmw-024
Sample Id		FWGmw-021-181001-GW	FWGmw-022-062618-GW	FWGmw-023-062618-GW	FWGmw-024-062118-GW	FWGmw-024-181001-GW
Date		10/25/18	06/26/18	06/26/18	06/21/18	10/25/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number					
1,3,5-Trinitrobenzene	99-35-4	<0.00043 U	NA	NA	<0.00047 U	<0.00043 U
1,3-Dinitrobenzene	99-65-0	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
2,4-Dinitrotoluene	121-14-2	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
2,6-Dinitrotoluene	606-20-2	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	NA	NA	<0.00014 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00022 UJ	NA	NA	<0.00023 U	<0.00022 U
3-Nitrotoluene	99-08-1	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	NA	NA	<0.00014 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00043 U	NA	NA	0.0015	<0.00043 U
HMX	2691-41-0	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U
Nitrobenzene	98-95-3	<0.00022 UJ	NA	NA	<0.00023 U	<0.00022 U
Nitrocellulose	9004-70-0	NA	<1 R	<1 R	<1 U	NA
Nitroglycerin	55-63-0	<0.0022 U	NA	NA	<0.0023 U	<0.0022 U
Nitroguanidine	556-88-7	NA	<0.006 R	<0.006 R	<0.006 U	NA
PETN	78-11-5	<0.0013 U	NA	NA	<0.0014 U	<0.0013 U
RDX	121-82-4	0.00072 J	NA	NA	<0.00014 U	<0.00013 U
Tetryl	479-45-8	<0.00022 U	NA	NA	<0.00023 U	<0.00022 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	L12mw-242	L12mw-242	L12mw-242	L12mw-245	L12mw-245
Sample Id		LL12mw-242-D-062718-G	LL12mw-242-062718-GW	LL12mw-242-181001-GW	LL12mw-245-062718-GW	LL12mw-245-181001-GW
Date		06/27/18	06/27/18	10/29/18	06/27/18	10/31/18
Sample Type		FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00043 U	<0.00045 U	<0.00042 U	<0.00045 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.00023 U	<0.00021 U	0.00011 J	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 UJ	<0.00014 UJ	<0.00013 U	<0.00014 UJ	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 UJ	<0.00021 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 UJ	<0.00021 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00014 U	<0.00013 U	<0.00014 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00043 U	<0.00045 U	<0.00042 U	<0.00045 U	<0.00042 U
HMX	2691-41-0	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.0023 U	<0.0021 U	<0.0023 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0014 U	<0.0013 U	<0.0014 U	<0.0013 U
RDX	121-82-4	<0.00013 U	<0.00014 U	<0.00013 U	<0.00014 U	<0.00013 U
Tetryl	479-45-8	<0.00021 U	<0.00023 U	<0.00021 U	<0.00023 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	L12mw-247	L12mw-247	L12mw-247	L12mw-247	LL1mw-064
Sample Id		LL12mw-247-D-062618-G	LL12mw-247-062618-GW	LL12mw-247-181002-GW	LL12mw-247-181001-GW	LL1mw-064-062718-GW
Date		06/26/18	06/26/18	10/29/18	10/29/18	06/28/18
Sample Type		FD	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00042 U	<0.0004 U	<0.00042 U	<0.00047 U	<0.00048 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00012 U	<0.00013 U	<0.00014 U	<0.00014 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00012 U	<0.00013 U	<0.00014 U	<0.00014 U
4-Nitrotoluene	99-99-0	<0.00042 U	<0.0004 U	<0.00042 U	<0.00047 U	<0.00048 U
HMX	2691-41-0	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
Nitrobenzene	98-95-3	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.002 U	<0.0021 U	<0.0023 U	<0.0024 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0014 U
RDX	121-82-4	<0.00013 U	<0.00012 U	<0.00013 U	<0.00014 U	<0.00014 U
Tetryl	479-45-8	<0.00021 U	<0.0002 U	<0.00021 U	<0.00023 U	<0.00024 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL1mw-064	LL1mw-065	LL1mw-065	LL1mw-080	LL1mw-080
Sample Id		LL1mw-064-181001-GW	LL1mw-065-062718-GW	LL1mw-065-181001-GW	LL1mw-080-062718-GW	LL1mw-080-181001-GW
Date		10/22/18	06/28/18	10/23/18	06/27/18	10/24/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00041 U	<0.00049 U	<0.00039 UJ	<0.00042 U	<0.0005 U
1,3-Dinitrobenzene	99-65-0	<0.0002 U	<0.00025 U	<0.00019 UJ	0.0024 J	<0.00025 U
2,4,6-Trinitrotoluene	118-96-7	<0.0002 U	<0.00025 U	<0.00019 UJ	<0.00021 U	<0.00025 U
2,4-Dinitrotoluene	121-14-2	<0.0002 U	<0.00025 U	<0.00019 UJ	0.00036 J	<0.00025 U
2,6-Dinitrotoluene	606-20-2	<0.0002 U	<0.00025 U	<0.00019 UJ	<0.00021 U	<0.00025 U
2-Amino-4,6-Dinitro	35572-78-2	<0.00012 U	<0.00015 U	<0.00012 UJ	0.0023 J	0.00084
2-Nitrotoluene	88-72-2	<0.0002 U	<0.00025 UJ	<0.00019 UJ	<0.00021 UJ	<0.00025 U
3-Nitrotoluene	99-08-1	<0.0002 U	<0.00025 UJ	<0.00019 UJ	<0.00021 UJ	<0.00025 U
4-Amino-2,6-Dinitro	19406-51-0	<0.00012 U	<0.00015 U	<0.00012 UJ	0.0028	0.0011
4-Nitrotoluene	99-99-0	<0.00041 U	<0.00049 U	<0.00039 UJ	<0.00042 U	<0.0005 U
HMX	2691-41-0	<0.0002 U	<0.00025 U	<0.00019 UJ	0.0095	0.0033
Nitrobenzene	98-95-3	<0.0002 U	<0.00025 U	<0.00019 UJ	<0.00021 U	<0.00025 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.002 U	<0.0025 U	<0.0019 UJ	<0.0021 U	<0.0025 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0012 U	<0.0015 UJ	<0.0012 UJ	<0.0013 U	<0.0015 U
RDX	121-82-4	<0.00012 U	<0.00015 U	<0.00012 UJ	0.038	0.0053
Tetryl	479-45-8	<0.0002 U	<0.00025 U	<0.00019 UJ	<0.00021 U	<0.00025 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL1mw-081	LL1mw-081	LL1mw-083	LL1mw-083	LL1mw-084
Sample Id		LL1mw-081-062718-	LL1mw-081-181001-	LL1mw-083-062718-	LL1mw-083-181001-	LL1mw-084-062718-
Date		GW	GW	GW	GW	GW
Sample Type		06/27/18	10/25/18	06/27/18	10/24/18	06/27/18
Filter Status		GR	GR	GR	GR	GR
		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00041 U	<0.00044 U	0.0069	0.0072	0.0038 J
1,3-Dinitrobenzene	99-65-0	<0.0002 U	<0.00022 U	<0.00021 U	<0.00024 U	0.0015 J
2,4,6-Trinitrotoluene	118-96-7	<0.0002 U	<0.00022 U	0.0027	0.0034	0.0044 J
2,4-Dinitrotoluene	121-14-2	<0.0002 U	<0.00022 U	0.0042 J	0.0056	0.0013 J
2,6-Dinitrotoluene	606-20-2	<0.0002 U	<0.00022 U	<0.00021 U	0.0036	<0.00021 UJ
2-Amino-4,6-Dinitroto	35572-78-2	0.00035 J	<0.00013 U	0.013 J	0.014	0.0088 J
2-Nitrotoluene	88-72-2	<0.0002 UJ	<0.00022 U	<0.00021 U	<0.00024 U	<0.00021 UJ
3-Nitrotoluene	99-08-1	<0.0002 UJ	<0.00022 U	<0.00021 U	<0.00024 U	<0.00021 UJ
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 U	<0.00013 U	0.016	0.017	0.019 J
4-Nitrotoluene	99-99-0	<0.00041 U	<0.00044 U	<0.00043 U	<0.00047 U	<0.00043 U
HMX	2691-41-0	<0.0002 U	<0.00022 U	<0.00021 U	0.0013 J	<0.0021 U
Nitrobenzene	98-95-3	<0.0002 U	<0.00022 U	<0.00021 U	<0.00024 U	<0.00021 UJ
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.002 U	<0.0022 U	<0.0021 U	<0.0024 U	<0.0021 UJ
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0012 U	<0.0013 U	<0.0013 U	<0.0014 U	<0.0013 UJ
RDX	121-82-4	0.0003	<0.00013 U	<0.00013 U	0.0021 J	<0.00013 UJ
Tetryl	479-45-8	<0.0002 U	<0.00022 U	<0.00021 U	<0.00024 U	<0.00021 UJ

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL1mw-084	LL1mw-086	LL1mw-086	LL1mw-087	LL1mw-087
Sample Id		LL1mw-084-181001-GW	LL1mw-086-062718-GW	LL1mw-086-181001-GW	LL1mw-087-062818-GW	LL1mw-087-181001-GW
Date		10/24/18	06/28/18	10/22/18	06/28/18	10/26/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	0.002	<0.00041 U	<0.00043 UJ	<0.00043 U	<0.00047 U
1,3-Dinitrobenzene	99-65-0	0.0012 J	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
2,4,6-Trinitrotoluene	118-96-7	0.0046	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
2,4-Dinitrotoluene	121-14-2	0.0018	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
2-Amino-4,6-Dinitroto	35572-78-2	0.0096	<0.00012 U	<0.00013 UJ	<0.00013 U	<0.00014 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.00021 UJ	<0.00021 UJ	<0.00021 UJ	<0.00023 UJ
3-Nitrotoluene	99-08-1	<0.00021 U	<0.00021 UJ	<0.00021 UJ	<0.00021 UJ	<0.00023 UJ
4-Amino-2,6-Dinitroto	19406-51-0	0.019	<0.00012 U	<0.00013 UJ	<0.00013 U	<0.00014 U
4-Nitrotoluene	99-99-0	<0.00042 U	<0.00041 U	<0.00043 UJ	<0.00043 U	<0.00047 U
HMX	2691-41-0	0.0024 J	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
Nitrobenzene	98-95-3	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.0021 U	<0.0021 UJ	<0.0021 U	<0.0023 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 UJ	<0.0013 UJ	<0.0013 UJ	<0.0014 U
RDX	121-82-4	0.0052 J	<0.00012 U	<0.00013 UJ	<0.00013 U	<0.00014 U
Tetryl	479-45-8	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.00021 U	<0.00023 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL1mw-088	LL1mw-088	LL1mw-088	LL1mw-089	LL1mw-089
Sample Id		LL1mw-088-062118-GW	LL1mw-088-181002-GW	LL1mw-088-181001-GW	LL1mw-089-D-062718-GW	LL1mw-089-062718-GW
Date		06/21/18	10/22/18	10/22/18	06/27/18	06/27/18
Sample Type		GR	FD	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00043 U	<0.00042 U	<0.00042 U	<0.00042 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	0.00048 J
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	0.00031
2-Amino-4,6-Dinitroto	35572-78-2	<0.00013 U	<0.00013 U	<0.00013 U	<0.00013 UJ	<0.00013 UJ
2-Nitrotoluene	88-72-2	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ
3-Nitrotoluene	99-08-1	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ
4-Amino-2,6-Dinitroto	19406-51-0	<0.00013 U	<0.00013 U	<0.00013 U	<0.00013 U	<0.00013 U
4-Nitrotoluene	99-99-0	0.0021	<0.00042 U	<0.00042 U	<0.00042 U	<0.00042 UJ
HMX	2691-41-0	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	<1 R	<1 R
Nitroglycerin	55-63-0	<0.0021 U	<0.0021 U	<0.0021 U	<0.0021 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	<0.006 R	<0.006 R
PETN	78-11-5	<0.0013 U	<0.0013 U	<0.0013 U	<0.0013 U	<0.0013 U
RDX	121-82-4	<0.00013 U	<0.00013 U	<0.00013 U	<0.00013 U	<0.00013 U
Tetryl	479-45-8	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL2mw-059	LL2mw-059	LL2mw-267	LL2mw-267	LL2mw-272
Sample Id		LL2mw-059-062618-	LL2mw-059-181001-	LL2mw-267-062818-	LL2mw-267-181001-	LL2mw-272-062718-
Date		GW	GW	GW	GW	GW
Sample Type		06/26/18	10/25/18	06/28/18	10/25/18	06/27/18
Filter Status		GR	GR	GR	GR	GR
Aquifer		Total	Total	Total	Total	Total
Analyte (mg/L)		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
1,3,5-Trinitrobenzene	99-35-4	0.0015	0.0029	<0.00042 U	<0.00039 U	<0.00043 U
1,3-Dinitrobenzene	99-65-0	<0.0002 U	0.00027 J	<0.00021 U	<0.0002 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	<0.0002 U	<0.00019 U	<0.00021 U	0.00011 J	<0.00022 U
2,4-Dinitrotoluene	121-14-2	0.0003 J	0.00062	<0.00021 U	0.00012 J	<0.00022 U
2,6-Dinitrotoluene	606-20-2	<0.0002 U	<0.00019 U	<0.00021 U	<0.0002 U	<0.00022 U
2-Amino-4,6-Dinitroto	35572-78-2	0.00051	0.00066	<0.00013 U	0.0005	<0.00013 UJ
2-Nitrotoluene	88-72-2	<0.0002 U	<0.00019 U	<0.00021 UJ	<0.0002 U	<0.00022 U
3-Nitrotoluene	99-08-1	<0.0002 U	<0.00019 U	<0.00021 UJ	<0.0002 U	<0.00022 U
4-Amino-2,6-Dinitroto	19406-51-0	0.00048	0.00045	<0.00013 U	0.00045	<0.00013 U
4-Nitrotoluene	99-99-0	0.00021 J	<0.00038 U	<0.00042 U	<0.00039 U	<0.00043 U
HMX	2691-41-0	<0.0002 U	<0.00019 U	<0.00021 U	0.00098 J	<0.00022 U
Nitrobenzene	98-95-3	<0.0002 U	<0.00019 U	<0.00021 U	<0.0002 U	<0.00022 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	<1 UJ
Nitroglycerin	55-63-0	<0.002 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0022 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	<0.006 UJ
PETN	78-11-5	<0.0012 U	<0.0011 U	<0.0013 UJ	<0.0012 U	<0.0013 U
RDX	121-82-4	<0.00012 U	<0.00011 U	<0.00013 U	0.00079 J	<0.00013 U
Tetryl	479-45-8	<0.0002 U	<0.00019 U	<0.00021 U	<0.0002 U	<0.00022 U



Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL3mw-237	LL3mw-237	LL3mw-244	LL3mw-244	LL3mw-246
Sample Id		LL3mw-237-062618-GW	LL3mw-237-181001-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	LL3mw-246-D-062118-GW
Date		06/26/18	10/26/18	06/26/18	10/26/18	06/21/18
Sample Type		GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00044 U	<0.00043 U	<0.00042 U	<0.00042 U	<0.00044 U
1,3-Dinitrobenzene	99-65-0	<0.00022 U	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	0.00085	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
2,4-Dinitrotoluene	121-14-2	0.00017 J	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
2,6-Dinitrotoluene	606-20-2	<0.00022 U	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
2-Amino-4,6-Dinitro	35572-78-2	0.0043	0.00026	0.00038	0.00038	0.00047 J
2-Nitrotoluene	88-72-2	<0.00022 U	<0.00022 UJ	<0.00021 U	<0.00021 UJ	<0.00022 U
3-Nitrotoluene	99-08-1	<0.00022 U	<0.00022 UJ	<0.00021 U	<0.00021 UJ	<0.00022 U
4-Amino-2,6-Dinitro	19406-51-0	0.0076	0.00037	0.00038	0.00033	0.00042 J
4-Nitrotoluene	99-99-0	0.00043 J	<0.00043 U	<0.00042 U	<0.00042 U	<0.00044 U
HMX	2691-41-0	<0.00022 U	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
Nitrobenzene	98-95-3	<0.00022 U	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0022 U	<0.0022 U	<0.0021 U	<0.0021 U	<0.0022 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0013 U	<0.0013 U	<0.0013 U	<0.0013 U
RDX	121-82-4	0.00015 J	<0.00013 U	0.00012 J	0.00014 J	<0.00013 U
Tetryl	479-45-8	<0.00022 U	<0.00022 U	<0.00021 U	<0.00021 U	<0.00022 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL3mw-246	LL3mw-246	LL7mw-001	LL7mw-001	LL7mw-006
Sample Id		LL3mw-246-062118-	LL3mw-246-181001-	LL7mw-001-062518-	LL7mw-001-181001-	LL7mw-006-62518-
Date		GW	GW	GW	GW	GW
Sample Type		06/21/18	10/25/18	06/25/18	10/30/18	06/25/18
Filter Status		GR	GR	GR	GR	GR
Aquifer		Total	Total	Total	Total	Total
Analyte (mg/L)		Upper Sharon	Upper Sharon	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone
1,3,5-Trinitrobenzene	99-35-4	<0.00044 U	<0.00041 U	<0.00041 U	<0.00044 U	<0.00043 U
1,3-Dinitrobenzene	99-65-0	<0.00022 UJ	<0.0002 U	<0.0002 U	<0.00022 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00022 U	<0.0002 U	<0.0002 UJ	<0.00022 U	<0.00021 UJ
2,4-Dinitrotoluene	121-14-2	<0.00022 UJ	<0.0002 U	<0.0002 U	<0.00022 U	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00022 UJ	<0.0002 U	<0.0002 UJ	<0.00022 U	<0.00021 UJ
2-Amino-4,6-Dinitroto	35572-78-2	0.0005 J	0.00028	<0.00012 U	<0.00013 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00022 UJ	<0.0002 U	<0.0002 UJ	<0.00022 U	<0.00021 UJ
3-Nitrotoluene	99-08-1	<0.00022 UJ	<0.0002 U	<0.0002 UJ	<0.00022 U	<0.00021 UJ
4-Amino-2,6-Dinitroto	19406-51-0	0.0003 J	0.00026	<0.00012 U	<0.00013 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00044 U	<0.00041 U	<0.00041 U	<0.00044 U	<0.00043 U
HMX	2691-41-0	<0.00022 U	<0.0002 U	<0.0002 U	<0.00022 U	0.00012 J
Nitrobenzene	98-95-3	<0.00022 UJ	<0.0002 U	<0.0002 U	<0.00022 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0022 U	<0.002 U	<0.002 U	<0.0022 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 U	<0.0012 UJ	<0.0013 U	<0.0013 UJ
RDX	121-82-4	0.00025 J	<0.00012 U	<0.00012 U	0.00075 J	<0.00043 UJ
Tetryl	479-45-8	<0.00022 U	<0.0002 U	<0.0002 U	<0.00022 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	LL7mw-006	NTAmw-119	NTAmw-119	NTAmw-119	NTAmw-119
Sample Id		LL7mw-006-181001-GW	NTAmw-119-D-062518-GW	NTAmw-119-062518-GW	NTAmw-119-181002-GW	NTAmw-119-181001-GW
Date		11/06/18	06/25/18	06/25/18	10/30/18	10/30/18
Sample Type		GR	FD	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00042 U	<0.00041 U	<0.0004 U	<0.00041 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
2-Amino-4,6-Dinitro	35572-78-2	<0.00013 U	<0.00012 U	<0.00012 U	<0.00012 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
4-Amino-2,6-Dinitro	19406-51-0	<0.00013 U	<0.00012 U	<0.00012 U	<0.00012 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.00042 U	<0.00041 U	0.00058 J	<0.00041 U	<0.00042 U
HMX	2691-41-0	0.00033 J	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.002 U	<0.002 U	<0.0021 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0013 U	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U
RDX	121-82-4	0.00072	<0.00012 U	<0.00012 U	<0.00012 U	<0.00013 U
Tetryl	479-45-8	<0.00021 U	<0.0002 U	<0.0002 U	<0.00021 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	NTAmw-120	NTAmw-120	RQLmw-007	RQLmw-007	RQLmw-007
Sample Id		NTAmw-120-D-062618-GW	NTAmw-120-062618-GW	RQLmw-007-D-062818-GW	RQLmw-007-062818-GW	RQLmw-007-181001-GW
Date		06/26/18	06/26/18	06/28/18	06/28/18	10/22/18
Sample Type		FD	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00041 U	<0.00041 U	<0.00044 U	<0.00042 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 UJ	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 UJ	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 UJ	<0.00021 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00012 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 UJ	<0.00021 U
3-Nitrotoluene	99-08-1	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 U	<0.00021 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
4-Nitrotoluene	99-99-0	0.0006 J	0.0004 J	<0.00044 U	<0.00042 U	<0.00042 U
HMX	2691-41-0	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 U	<0.00021 U
Nitrobenzene	98-95-3	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 U	<0.00021 U
Nitrocellulose	9004-70-0	<1 U	<1 U	NA	NA	NA
Nitroglycerin	55-63-0	<0.002 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0021 U
Nitroguanidine	556-88-7	<0.006 UJ	<0.006 UJ	NA	NA	NA
PETN	78-11-5	<0.0012 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0013 U
RDX	121-82-4	<0.00012 U	<0.00012 U	<0.00013 U	<0.00013 U	<0.00013 U
Tetryl	479-45-8	<0.0002 U	<0.00021 U	<0.00022 U	<0.00021 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	RQLmw-008	RQLmw-008	RQLmw-009	RQLmw-009	RQLmw-014
Sample Id		RQLmw-008-062818	RQLmw-008-181001	RQLmw-009-062818	RQLmw-009-181001	RQLmw-014-062818
Date		GW	GW	GW	GW	GW
Sample Type		06/28/18	10/22/18	06/28/18	10/19/18	06/28/18
Filter Status		GR	GR	GR	GR	GR
Aquifer		Total	Total	Total	Total	Total
Analyte (mg/L)		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
1,3,5-Trinitrobenzene	99-35-4	<0.00046 U	<0.00042 UJ	<0.00042 U	<0.00045 U	<0.00042 U
1,3-Dinitrobenzene	99-65-0	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
2,4,6-Trinitrotoluene	118-96-7	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
2,4-Dinitrotoluene	121-14-2	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
2,6-Dinitrotoluene	606-20-2	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
2-Amino-4,6-Dinitro	35572-78-2	<0.00014 U	<0.00013 UJ	<0.00013 U	<0.00014 U	<0.00012 U
2-Nitrotoluene	88-72-2	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
3-Nitrotoluene	99-08-1	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
4-Amino-2,6-Dinitro	19406-51-0	<0.00014 U	<0.00013 UJ	<0.00013 U	<0.00014 U	<0.00012 U
4-Nitrotoluene	99-99-0	<0.00046 U	<0.00042 UJ	<0.00042 U	<0.00045 U	<0.00042 U
HMX	2691-41-0	<0.00023 U	0.00027 J	<0.00021 U	<0.00023 U	<0.00021 U
Nitrobenzene	98-95-3	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.0023 U	<0.0021 UJ	<0.0021 U	<0.0023 U	<0.0021 U
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0014 U	<0.0013 UJ	<0.0013 U	<0.0014 U	<0.0012 U
RDX	121-82-4	<0.00014 U	0.00085 J	<0.00013 U	0.00069	0.00082 J
Tetryl	479-45-8	<0.00023 U	<0.00021 UJ	<0.00021 U	<0.00023 U	<0.00021 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	RQLmw-014	SCFmw-004	SCFmw-004	SCLmw-001	SCLmw-002
Sample Id		RQLmw-014-181001-	SCFmw-004-062818-	SCFmw-004-181001-	SCLmw-001-181001-	SCLmw-002-181002-
Date		GW	GW	GW	GW	GW
Sample Type		10/18/18	06/28/18	10/26/18	11/02/18	11/01/18
Filter Status		GR	GR	GR	GR	FD
Aquifer		Total	Total	Total	Total	Total
Analyte (mg/L)		Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Unconsolidated	Unconsolidated
1,3,5-Trinitrobenzene	99-35-4	<0.0004 U	<0.00046 U	<0.00043 U	<0.00049 U	<0.00043 U
1,3-Dinitrobenzene	99-65-0	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
2,4,6-Trinitrotoluene	118-96-7	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
2,4-Dinitrotoluene	121-14-2	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
2,6-Dinitrotoluene	606-20-2	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00012 U	<0.00014 U	<0.00013 U	<0.00015 U	<0.00013 U
2-Nitrotoluene	88-72-2	<0.0002 U	<0.00023 UJ	<0.00021 UJ	<0.00024 U	<0.00022 UJ
3-Nitrotoluene	99-08-1	<0.0002 U	<0.00023 UJ	<0.00021 UJ	<0.00024 U	<0.00022 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 U	<0.00014 U	<0.00013 U	<0.00015 U	<0.00013 U
4-Nitrotoluene	99-99-0	<0.0004 U	<0.00046 U	<0.00043 U	<0.00049 U	<0.00043 U
HMX	2691-41-0	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
Nitrobenzene	98-95-3	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U
Nitrocellulose	9004-70-0	NA	NA	NA	<1 U	<1 U
Nitroglycerin	55-63-0	<0.002 U	<0.0023 U	<0.0021 U	<0.0024 U	<0.0022 U
Nitroguanidine	556-88-7	NA	NA	NA	<0.006 U	<0.006 U
PETN	78-11-5	<0.0012 U	<0.0014 UJ	<0.0013 U	<0.0015 U	<0.0013 U
RDX	121-82-4	<0.00012 U	<0.00014 U	<0.00013 U	<0.00015 U	<0.00013 U
Tetryl	479-45-8	<0.0002 U	<0.00023 U	<0.00021 U	<0.00024 U	<0.00022 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	SCLmw-002	SCLmw-003	WBGmw-006	WBGmw-006	WBGmw-009
Sample Id		SCLmw-002-181001-GW	SCLmw-003-181001-GW	WBGmw-006-062618-GW	WBGmw-006-181001-GW	WBGmw-009-062618-GW
Date		11/01/18	11/02/18	06/26/18	10/23/18	06/26/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.00041 U	<0.00043 U	<0.00042 U	<0.00041 UJ	<0.0004 U
1,3-Dinitrobenzene	99-65-0	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
2,4,6-Trinitrotoluene	118-96-7	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
2,4-Dinitrotoluene	121-14-2	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
2,6-Dinitrotoluene	606-20-2	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
2-Amino-4,6-Dinitroto	35572-78-2	<0.00012 U	<0.00013 U	<0.00013 U	<0.00012 UJ	<0.00012 U
2-Nitrotoluene	88-72-2	<0.00021 UJ	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
3-Nitrotoluene	99-08-1	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 U	<0.00013 U	<0.00013 U	<0.00012 UJ	<0.00012 U
4-Nitrotoluene	99-99-0	<0.00041 U	<0.00043 U	0.00041 J	<0.00041 UJ	0.0015
HMX	2691-41-0	<0.00021 U	<0.00021 U	0.0034	0.0021 J	0.00058
Nitrobenzene	98-95-3	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U
Nitrocellulose	9004-70-0	<1 UJ	<1 U	NA	NA	NA
Nitroglycerin	55-63-0	<0.0021 U	<0.0021 U	<0.0021 U	<0.0021 UJ	<0.002 U
Nitroguanidine	556-88-7	<0.006 U	<0.006 U	NA	NA	NA
PETN	78-11-5	<0.0012 U	<0.0013 U	<0.0013 U	<0.0012 UJ	<0.0012 U
RDX	121-82-4	0.00017 J	<0.00013 U	0.013	0.0074 J	0.0019
Tetryl	479-45-8	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021 UJ	<0.0002 U

Table E-2. 2018 Groundwater Sample Analytical Results - Explosives

Station	CAS Number	WBGmw-009	WBGmw-020	WBGmw-020	WBGmw-021	WBGmw-021
Sample Id		WBGmw-009-181001-GW	WBGmw-020-062618-GW	WBGmw-020-181001-GW	WBGmw-021-062618-GW	WBGmw-021-181001-GW
Date		10/23/18	06/26/18	10/23/18	06/26/18	10/23/18
Sample Type		GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)						
1,3,5-Trinitrobenzene	99-35-4	<0.0004 UJ	<0.00041 U	<0.0004 UJ	<0.00041 U	<0.00042 UJ
1,3-Dinitrobenzene	99-65-0	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
2,4,6-Trinitrotoluene	118-96-7	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
2,4-Dinitrotoluene	121-14-2	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
2,6-Dinitrotoluene	606-20-2	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
2-Amino-4,6-Dinitroto	35572-78-2	<0.00012 UJ	<0.00012 U	<0.00012 UJ	<0.00012 U	<0.00013 UJ
2-Nitrotoluene	88-72-2	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
3-Nitrotoluene	99-08-1	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
4-Amino-2,6-Dinitroto	19406-51-0	<0.00012 UJ	<0.00012 U	<0.00012 UJ	<0.00012 U	<0.00013 UJ
4-Nitrotoluene	99-99-0	<0.0004 UJ	<0.00041 U	<0.0004 UJ	0.0012	<0.00042 UJ
HMX	2691-41-0	0.00094 J	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
Nitrobenzene	98-95-3	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ
Nitrocellulose	9004-70-0	NA	NA	NA	NA	NA
Nitroglycerin	55-63-0	<0.002 UJ	<0.0021 U	<0.002 UJ	<0.0021 U	<0.0021 UJ
Nitroguanidine	556-88-7	NA	NA	NA	NA	NA
PETN	78-11-5	<0.0012 UJ	<0.0012 U	<0.0012 UJ	<0.0012 U	<0.0013 UJ
RDX	121-82-4	0.0028 J	<0.00012 U	0.0001 J	<0.00012 U	<0.00013 UJ
Tetryl	479-45-8	<0.0002 UJ	<0.00021 U	<0.0002 UJ	<0.00021 U	<0.00021 UJ





Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		CBLmw-001	CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	DA2mw-115	DA2mw-115	DET-3	DET-3	DET-3	DET-3	DET-4
Sample Id		CBLmw-001-D-062018-GW	CBLmw-001-062018-GW	CBLmw-002-062018-GW	CBLmw-003-062118-GW	CBLmw-004-062118-GW	DA2mw-115-062618-GW	DA2mw-115-181001-GW	DETMw-003-D-062618-GW	DETMw-003-062618-GW	DET-003-181002-GW	DET-003-181001-GW	DET-004-181001-GW
Date		06/20/18	06/20/18	06/20/18	06/21/18	06/21/18	06/26/18	10/24/18	06/26/18	06/26/18	10/24/18	10/24/18	10/24/18
Sample Type		FD	GR	GR	GR	GR	GR	GR	FD	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	<0.002 U	<0.0021 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.0021 U
Butyl benzyl phthalate	85-68-7	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	<0.002 U	<0.0021 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.0021 U
Carbazole	86-74-8	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	NA	NA
Chrysene	218-01-9	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	NA	NA	<0.00004 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 UJ
Di-n-butyl phthalate	84-74-2	<0.0042 U	<0.0042 U	<0.0042 U	<0.0042 U	<0.0044 U	<0.0044 U	<0.0045 U	<0.0045 U	<0.0044 U	<0.0043 U	<0.0043 U	<0.0047 U
Di-n-octylphthalate	117-84-0	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.00098 U	<0.00099 U	<0.0011 U
Dibenz(a,h)anthracene	53-70-3	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	NA	NA	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 UJ
Dibenzofuran	132-64-9	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	NA	NA
Diethyl phthalate	84-66-2	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.00098 U	<0.00099 U	<0.0011 U
Dimethyl phthalate	131-11-3	<0.00047 U	<0.00047 U	<0.00048 U	<0.00047 U	<0.0005 U	<0.00051 U	<0.00052 U	<0.00051 U	<0.0005 U	<0.00049 U	<0.00049 U	<0.00053 U
Fluoranthene	206-44-0	<0.00047 U	<0.00047 U	<0.00048 U	<0.00047 U	<0.0005 U	NA	NA	<0.00005 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 UJ
Fluorene	86-73-7	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00005 UJ
Hexachlorobenzene	118-74-1	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	NA	NA	<0.002 U	<0.002 U	NA	NA	NA
Hexachlorobutadiene	87-68-3	<0.0095 U	<0.0095 U	<0.0095 U	<0.0095 U	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	<0.028 U	<0.028 U	<0.029 U	<0.028 R	<0.03 R	NA	NA	<0.03 R	<0.03 R	NA	NA	NA
Hexachloroethane	67-72-1	<0.0042 U	<0.0042 U	<0.0042 U	<0.0042 U	<0.0044 U	NA	NA	<0.0045 U	<0.0044 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	NA	NA	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00005 UJ
Isophorone	78-59-1	<0.00047 U	<0.00047 U	<0.00048 U	<0.00047 U	<0.0005 U	NA	NA	<0.00051 U	<0.0005 U	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	NA	NA
Naphthalene	91-20-3	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.00002 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 UJ
Nitrobenzene	98-95-3	<0.0019 U	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	NA	NA	<0.002 U	<0.002 U	NA	<0.002 U	<0.0021 U
Pentachlorophenol	87-86-5	<0.057 U	<0.057 U	<0.057 U	<0.057 U	<0.06 U	NA	NA	<0.061 U	<0.06 U	NA	<0.059 U	<0.064 U
Phenanthrene	85-01-8	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.00005 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 UJ
Phenol	108-95-2	<0.0042 U	<0.0042 U	<0.0042 U	<0.0042 U	<0.0044 U	NA	NA	<0.0045 U	<0.0044 U	NA	<0.0043 U	<0.0047 U
Pyrene	129-00-0	<0.00095 U	<0.00095 U	<0.00095 U	<0.00095 U	<0.001 U	NA	NA	<0.00003 U	<0.00001 U	<0.00002 U	<0.00002 U	<0.00002 UJ
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00049 U	<0.00053 U

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		ES3tw-001	ES3tw-002	ES3tw-003	FBQmw-174	FWGmw-004	FWGmw-004	FWGmw-007	FWGmw-007	FWGmw-011	FWGmw-011	FWGmw-012	FWGmw-012
Sample Id		ES3tw-001-181001-GW	ES3tw-002-181001-GW	ES3tw-003-181001-GW	FBQmw-174-062518-GW	FWGmw-004-062518-GW	FWGMW-004-181001-GW	FWGmw-007-062518-GW	FWGmw-007-181001-GW	FWGmw-011-062818	FWGMW-011-181001-GW	FWGmw-012-062818	FWGMW-012-181001-GW
Date		10/31/18	11/01/18	10/31/18	06/25/18	06/25/18	10/22/18	06/25/18	10/30/18	06/28/18	10/23/18	06/28/18	10/23/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobenzenamine	88-74-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3+4-Methylphenol	15831-10-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitrobenzenamine	99-09-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorobenzenamine	106-47-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobenzenamine	100-01-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	56-55-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzenemethanol	100-51-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	65-85-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		ES3tw-001	ES3tw-002	ES3tw-003	FBQmw-174	FWGmw-004	FWGmw-004	FWGmw-007	FWGmw-007	FWGmw-011	FWGmw-011	FWGmw-012	FWGmw-012
Sample Id		ES3tw-001-181001-GW	ES3tw-002-181001-GW	ES3tw-003-181001-GW	FBQmw-174-062518-GW	FWGmw-004-062518-GW	FWGMW-004-181001-GW	FWGmw-007-062518-GW	FWGmw-007-181001-GW	FWGmw-011-062818	FWGMW-011-181001-GW	FWGmw-012-062818	FWGMW-012-181001-GW
Date		10/31/18	11/01/18	10/31/18	06/25/18	06/25/18	10/22/18	06/25/18	10/30/18	06/28/18	10/23/18	06/28/18	10/23/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	NA	NA	NA	<0.0019 U	<0.002 U	<0.0021 U	<0.002 U	<0.0021 U	<0.0019 UJ	<0.0022 U	<0.0021 UJ	<0.0022 U
Butyl benzyl phthalate	85-68-7	NA	NA	NA	<0.0019 U	<0.002 U	<0.0021 U	<0.002 U	<0.0021 U	<0.0019 UJ	<0.0022 U	<0.0021 UJ	<0.0022 U
Carbazole	86-74-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	NA	NA	NA	<0.0042 U	<0.0045 U	<0.0047 U	<0.0044 U	<0.0047 U	<0.0043 UJ	<0.0049 U	<0.0046 UJ	<0.0048 U
Di-n-octylphthalate	117-84-0	NA	NA	NA	<0.00095 U	<0.001 U	<0.0011 U	<0.001 U	<0.0011 U	<0.00097 UJ	<0.0011 U	<0.0011 UJ	<0.0011 U
Dibenz(a,h)anthracene	53-70-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	NA	NA	NA	<0.00095 U	<0.001 U	<0.0011 U	<0.001 U	<0.0011 U	<0.00097 UJ	<0.0011 U	<0.0011 UJ	<0.0011 U
Dimethyl phthalate	131-11-3	NA	NA	NA	<0.00048 U	<0.00051 U	<0.00053 U	<0.0005 U	<0.00053 U	<0.00048 UJ	<0.00055 U	<0.00053 UJ	<0.00055 U
Fluoranthene	206-44-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	<0.00001 U	<0.00001 U	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station	CAS Number	FWGmw-015	FWGmw-015	FWGmw-016	FWGmw-016	FWGmw-017	FWGmw-017	FWGmw-017	FWGmw-018	FWGmw-018	FWGmw-019	FWGmw-020	FWGmw-020	
Sample Id		FWGmw-015-062518-GW	FWGmw-015-181001-GW	FWGmw-016-062518-GW	FWGmw-016-181001-GW	FWGmw-017-062118-GW	FWGmw-017-181002-GW	FWGmw-017-181001-GW	FWGmw-018-062118-GW	FWGmw-018-181001-GW	FWGmw-019-062618-GW	FWGmw-020-062118-GW	FWGmw-020-181001-GW	
Date		06/25/18	10/24/18	06/25/18	10/25/18	06/21/18	10/25/18	10/25/18	06/21/18	10/26/18	06/26/18	06/21/18	10/26/18	
Sample Type		GR	GR	GR	GR	GR	FD	GR	GR	GR	GR	GR	GR	
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
Aquifer		Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Upper Sharon	Upper Sharon
Analyte (mg/L)														
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	NA	<0.00047 U	<0.00054 U	<0.00055 U	<0.00047 U	<0.00054 U	<0.00051 U	<0.00047 U	<0.0005 U	
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	<0.0048 U	<0.0048 U	NA	<0.0047 U	NA	NA	<0.0044 U	
1-Methylnaphthalene	90-12-0	NA	NA	NA	NA	NA	<0.00001 U	<0.00001 U	NA	<0.00001 U	NA	NA	<0.00001 U	
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
2,4-Dichlorophenol	120-83-2	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U	
2,4-Dimethylphenol	105-67-9	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U	
2,4-Dinitrophenol	51-28-5	NA	NA	NA	NA	<0.028 U	<0.033 U	<0.033 U	<0.028 U	<0.032 U	<0.031 U	<0.028 U	<0.03 U	
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
2-Chloronaphthalene	91-58-7	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
2-Chlorophenol	95-57-8	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
2-Methyl-4,6-dinitrophenol	534-52-1	NA	NA	NA	NA	<0.0083 U	<0.0096 U	<0.0096 U	<0.0083 U	<0.0094 U	<0.009 U	<0.0083 U	<0.0088 U	
2-Methylnaphthalene	91-57-6	NA	NA	NA	NA	<0.00095 U	<0.00001 U	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U	
2-Methylphenol	95-48-7	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U	
2-Nitrobenzenamine	88-74-4	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
2-Nitrophenol	88-75-5	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
3+4-Methylphenol	15831-10-4	NA	NA	NA	NA	<0.00047 U	NA	NA	<0.00047 U	NA	<0.00051 U	<0.00047 U	NA	
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
3-Nitrobenzenamine	99-09-2	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	<0.0047 U	<0.0054 U	<0.0055 U	<0.0047 U	<0.0054 U	<0.0051 U	<0.0047 U	<0.005 U	
4-Chlorobenzenamine	106-47-8	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
4-Nitrobenzenamine	100-01-6	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U	
4-Nitrophenol	100-02-7	NA	NA	NA	NA	<0.0038 U	<0.0043 U	<0.0044 U	<0.0038 U	<0.0043 U	<0.0041 U	<0.0038 U	<0.004 U	
Acenaphthene	83-32-9	NA	NA	NA	NA	<0.00095 U	<0.00004 U	<0.00005 U	<0.00094 U	<0.00004 U	<0.001 U	<0.00095 U	<0.00005 U	
Acenaphthylene	208-96-8	NA	NA	NA	NA	<0.00095 U	<0.00004 U	<0.00005 U	<0.00094 U	<0.00004 U	<0.001 U	<0.00095 U	<0.00005 U	
Anthracene	120-12-7	NA	NA	NA	NA	<0.00095 U	<0.00004 U	<0.00005 U	<0.00094 U	<0.00004 U	<0.001 U	<0.00095 U	<0.00005 U	
Benz(a)anthracene	56-55-3	NA	NA	NA	NA	<0.00095 U	0.00006 J	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U	
Benzenemethanol	100-51-6	NA	NA	NA	NA	<0.00047 U	<0.00054 U	<0.00055 U	<0.00047 U	<0.00054 U	<0.00051 U	<0.00047 U	<0.0005 U	
Benzo(a)pyrene	50-32-8	NA	NA	NA	NA	<0.00095 U	0.00003 J	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U	
Benzo(b)fluoranthene	205-99-2	NA	NA	NA	NA	<0.0019 U	0.00006 J	<0.00001 U	<0.0019 U	<0.00001 U	<0.002 U	<0.0019 U	<0.00001 U	
Benzo(ghi)perylene	191-24-2	NA	NA	NA	NA	<0.00095 U	0.00005 J	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U	
Benzo(k)fluoranthene	207-08-9	NA	NA	NA	NA	<0.00095 U	0.00005 J	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U	
Benzoic acid	65-85-0	NA	NA	NA	NA	<0.028 U	<0.033 U	<0.033 U	<0.028 U	<0.032 U	<0.031 U	<0.028 U	<0.03 U	
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U	
Bis(2-chloroethyl) ether	111-44-4	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U	

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		FWGmw-015	FWGmw-015	FWGmw-016	FWGmw-016	FWGmw-017	FWGmw-017	FWGmw-017	FWGmw-018	FWGmw-018	FWGmw-019	FWGmw-020	FWGmw-020
Sample Id		FWGmw-015-062518-GW	FWGmw-015-181001-GW	FWGmw-016-062518-GW	FWGmw-016-181001-GW	FWGmw-017-062118-GW	FWGmw-017-181002-GW	FWGmw-017-181001-GW	FWGmw-018-062118-GW	FWGmw-018-181001-GW	FWGmw-019-062618-GW	FWGmw-020-062118-GW	FWGmw-020-181001-GW
Date		06/25/18	10/24/18	06/25/18	10/25/18	06/21/18	10/25/18	10/25/18	06/21/18	10/26/18	06/26/18	06/21/18	10/26/18
Sample Type		GR	GR	GR	GR	GR	FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Bis(2-ethylhexyl)phthalate	117-81-7	<0.002 U	<0.002 U	<0.0021 U	<0.0022 U	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U
Butyl benzyl phthalate	85-68-7	<0.002 U	<0.002 U	<0.0021 U	<0.0022 U	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U
Carbazole	86-74-8	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Chrysene	218-01-9	NA	NA	NA	NA	<0.0019 U	0.00007 J	<0.00001 U	<0.0019 U	<0.00001 U	<0.002 U	<0.0019 U	<0.00001 U
Di-n-butyl phthalate	84-74-2	<0.0044 U	<0.0045 U	<0.0045 U	<0.0049 U	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U
Di-n-octylphthalate	117-84-0	<0.001 U	<0.001 U	<0.001 U	<0.0011 U	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Dibenz(a,h)anthracene	53-70-3	NA	NA	NA	NA	<0.0019 U	0.00002 J	<0.00001 U	<0.0019 U	<0.00001 U	<0.002 U	<0.0019 U	<0.00001 U
Dibenzofuran	132-64-9	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Diethyl phthalate	84-66-2	<0.001 U	<0.001 U	<0.001 U	<0.0011 U	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Dimethyl phthalate	131-11-3	<0.0005 U	<0.00051 U	<0.00052 U	<0.00055 U	<0.00047 U	<0.00054 U	<0.00055 U	<0.00047 U	<0.00054 U	<0.00051 U	<0.00047 U	<0.0005 U
Fluoranthene	206-44-0	NA	NA	NA	NA	<0.00047 U	<0.00001 U	<0.00001 U	<0.00047 U	<0.00001 U	<0.00051 U	<0.00047 U	<0.00001 U
Fluorene	86-73-7	NA	NA	NA	NA	<0.00095 U	<0.00004 U	<0.00005 U	<0.00094 U	<0.00004 U	<0.001 U	<0.00095 U	<0.00005 U
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	<0.0095 U	<0.011 U	<0.011 U	<0.0094 U	<0.011 U	<0.01 U	<0.0095 U	<0.01 U
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	<0.028 R	<0.033 U	<0.033 U	<0.028 R	<0.032 U	<0.031 U	<0.028 R	<0.03 U
Hexachloroethane	67-72-1	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U
Indeno(1,2,3-cd)pyrene	193-39-5	NA	NA	NA	NA	<0.0019 U	0.00004 J	<0.00005 U	<0.0019 U	<0.00004 U	<0.002 U	<0.0019 U	<0.00005 U
Isophorone	78-59-1	NA	NA	NA	NA	<0.00047 U	<0.00054 U	<0.00055 U	<0.00047 U	<0.00054 U	<0.00051 U	<0.00047 U	<0.0005 U
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	<0.00095 U	<0.0011 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.001 U	<0.00095 U	<0.001 U
Naphthalene	91-20-3	NA	NA	NA	NA	<0.00095 U	<0.00001 U	<0.00001 U	<0.00094 U	<0.00001 U	<0.001 U	<0.00095 U	<0.00001 U
Nitrobenzene	98-95-3	NA	NA	NA	NA	<0.0019 U	<0.0022 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.002 U
Pentachlorophenol	87-86-5	NA	NA	NA	NA	<0.057 U	<0.065 U	<0.066 U	<0.056 U	<0.064 U	<0.061 U	<0.057 U	<0.06 U
Phenanthrene	85-01-8	NA	NA	NA	NA	<0.00095 U	<0.00002 U	<0.00002 U	<0.00094 U	<0.00002 U	<0.001 U	<0.00095 U	<0.00002 U
Phenol	108-95-2	NA	NA	NA	NA	<0.0042 U	<0.0048 U	<0.0048 U	<0.0041 U	<0.0047 U	<0.0045 U	<0.0042 U	<0.0044 U
Pyrene	129-00-0	NA	NA	NA	NA	<0.00095 U	<0.00002 U	<0.00002 U	<0.00094 U	<0.00002 U	<0.001 U	<0.00095 U	<0.00002 U
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	<0.00054 U	<0.00055 U	NA	<0.00054 U	NA	NA	<0.0005 U

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		FWGmw-021	FWGmw-021	FWGmw-022	FWGmw-023	FWGmw-024	FWGmw-024	L10mw-003	L10mw-003	L10mw-003	L10mw-005	L10mw-005	L12mw-183
Sample Id		FWGmw-021-062118-GW	FWGmw-021-181001-GW	FWGmw-022-062618-GW	FWGmw-023-062618-GW	FWGmw-024-062118-GW	FWGmw-024-181001-GW	LL10mw-003-062618-GW	LL10mw-003-181002-GW	LL10mw-003-181001-GW	LL10mw-005-062818-GW	LL10mw-005-181001-GW	LL12mw-183-062718-GW
Date		06/21/18	10/25/18	06/26/18	06/26/18	06/21/18	10/25/18	06/26/18	10/29/18	10/29/18	06/28/18	10/29/18	06/27/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Unconsolidated
Analyte (mg/L)	CAS Number												
1,2,4-Trichlorobenzene	120-82-1	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	<0.00055 U	<0.00051 U	<0.00053 U	<0.00048 U	<0.00054 U	NA	NA	NA	<0.00047 U	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
1,4-Dioxane	123-91-1	NA	<0.0049 U	NA	NA	NA	<0.0047 U	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NA	<0.00001 U	NA	NA	NA	<0.00001 U	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
2,4-Dichlorophenol	120-83-2	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	NA	NA	NA	<0.0019 U	NA	NA
2,4-Dimethylphenol	105-67-9	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	NA	NA	NA	<0.0019 U	NA	NA
2,4-Dinitrophenol	51-28-5	NA	<0.033 U	<0.03 U	<0.032 U	<0.029 U	<0.032 U	NA	NA	NA	<0.028 U	NA	NA
2,4-Dinitrotoluene	121-14-2	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	<0.0042 U	NA	<0.0045 U	<0.0042 U	<0.0047 U	NA
2,6-Dinitrotoluene	606-20-2	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	<0.0042 U	NA	<0.0045 U	<0.0042 U	<0.0047 U	NA
2-Chloronaphthalene	91-58-7	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
2-Chlorophenol	95-57-8	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	NA	<0.0097 U	<0.0089 U	<0.0094 U	<0.0085 U	<0.0095 U	NA	NA	NA	<0.0083 U	NA	NA
2-Methylnaphthalene	91-57-6	NA	<0.00001 U	<0.001 U	<0.0011 U	0.00031 J	<0.00001 U	NA	NA	NA	<0.00094 U	NA	NA
2-Methylphenol	95-48-7	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	NA	NA	NA	<0.0019 U	NA	NA
2-Nitrobenzenamine	88-74-4	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
2-Nitrophenol	88-75-5	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
3+4-Methylphenol	15831-10-4	NA	NA	<0.00051 U	<0.00053 U	<0.00048 U	NA	NA	NA	NA	<0.00047 U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
3-Nitrobenzenamine	99-09-2	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	<0.0055 U	<0.0051 U	<0.0053 U	<0.0048 U	<0.0054 U	NA	NA	NA	<0.0047 U	NA	NA
4-Chlorobenzenamine	106-47-8	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
4-Nitrobenzenamine	100-01-6	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
4-Nitrophenol	100-02-7	NA	<0.0044 U	<0.0041 U	<0.0043 U	<0.0038 U	<0.0043 U	NA	NA	NA	<0.0038 U	NA	NA
Acenaphthene	83-32-9	NA	<0.00005 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00004 U	NA	NA	NA	<0.00004 U	NA	<0.00004 U
Acenaphthylene	208-96-8	NA	<0.00005 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00004 U	NA	NA	NA	0.00002 J	NA	<0.00004 U
Anthracene	120-12-7	NA	<0.00005 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00004 U	NA	NA	NA	<0.00004 U	NA	<0.00004 U
Benz(a)anthracene	56-55-3	NA	<0.00001 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Benzenemethanol	100-51-6	NA	<0.00055 U	<0.00051 U	<0.00053 U	<0.00048 U	<0.00054 U	NA	NA	NA	<0.00047 U	NA	NA
Benzo(a)pyrene	50-32-8	NA	<0.00001 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Benzo(b)fluoranthene	205-99-2	NA	<0.00001 U	<0.002 U	<0.0021 U	<0.0019 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Benzo(ghi)perylene	191-24-2	NA	<0.00001 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Benzo(k)fluoranthene	207-08-9	NA	<0.00001 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Benzoic acid	65-85-0	NA	<0.033 U	<0.03 U	<0.032 U	<0.029 U	<0.032 U	NA	NA	NA	<0.028 U	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	NA	NA	NA	<0.0019 U	NA	NA
Bis(2-chloroethyl) ether	111-44-4	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		FWGmw-021	FWGmw-021	FWGmw-022	FWGmw-023	FWGmw-024	FWGmw-024	L10mw-003	L10mw-003	L10mw-003	L10mw-005	L10mw-005	L12mw-183
Sample Id		FWGmw-021-062118-GW	FWGmw-021-181001-GW	FWGmw-022-062618-GW	FWGmw-023-062618-GW	FWGmw-024-062118-GW	FWGmw-024-181001-GW	LL10mw-003-062618-GW	LL10mw-003-181002-GW	LL10mw-003-181001-GW	LL10mw-005-062818-GW	LL10mw-005-181001-GW	LL12mw-183-062718-GW
Date		06/21/18	10/25/18	06/26/18	06/26/18	06/21/18	10/25/18	06/26/18	10/29/18	10/29/18	06/28/18	10/29/18	06/27/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Unconsolidated
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0019 UJ	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.0021 U	NA
Butyl benzyl phthalate	85-68-7	<0.0019 UJ	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.002 U	<0.0019 U	<0.0021 U	NA
Carbazole	86-74-8	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
Chrysene	218-01-9	NA	<0.00001 U	<0.002 U	<0.0021 U	<0.0019 U	<0.00001 U	NA	NA	NA	<0.00001 U	NA	<0.00001 U
Di-n-butyl phthalate	84-74-2	<0.0042 UJ	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	<0.0042 U	<0.0045 U	<0.0045 U	<0.0042 U	<0.0047 U	NA
Di-n-octylphthalate	117-84-0	<0.00095 UJ	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	<0.00095 U	<0.001 U	<0.001 U	<0.00094 U	<0.0011 U	NA
Dibenz(a,h)anthracene	53-70-3	NA	<0.00001 U	<0.002 U	<0.0021 U	<0.0019 U	<0.00001 U	NA	NA	NA	<0.00001 UJ	NA	<0.00001 U
Dibenzofuran	132-64-9	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
Diethyl phthalate	84-66-2	<0.00095 UJ	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	<0.00095 U	<0.001 U	<0.001 U	<0.00094 U	<0.0011 U	NA
Dimethyl phthalate	131-11-3	<0.00047 UJ	<0.00055 U	<0.00051 U	<0.00053 U	<0.00048 U	<0.00054 U	<0.00047 U	<0.00051 U	<0.00051 U	<0.00047 U	<0.00053 U	NA
Fluoranthene	206-44-0	NA	<0.00001 U	<0.00051 U	<0.00053 U	<0.00048 U	<0.00001 U	NA	NA	NA	<0.00002 U	NA	<0.00001 U
Fluorene	86-73-7	NA	<0.00005 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00004 U	NA	NA	NA	0.00001 J	NA	<0.00004 U
Hexachlorobenzene	118-74-1	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	NA	NA	NA	<0.0019 U	NA	NA
Hexachlorobutadiene	87-68-3	NA	<0.011 U	<0.01 U	<0.011 U	<0.0096 U	<0.011 U	NA	NA	NA	<0.0094 U	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA	<0.033 U	<0.03 U	<0.032 U	<0.029 R	<0.032 U	NA	NA	NA	<0.028 U	NA	NA
Hexachloroethane	67-72-1	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA	<0.00005 U	<0.002 U	<0.0021 U	<0.0019 U	<0.00004 U	NA	NA	NA	<0.00004 U	NA	<0.00004 U
Isophorone	78-59-1	NA	<0.00055 U	<0.00051 U	<0.00053 U	<0.00048 U	<0.00054 U	NA	NA	NA	<0.00047 U	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	<0.0011 U	<0.001 U	<0.0011 U	<0.00096 U	<0.0011 U	NA	NA	NA	<0.00094 U	NA	NA
Naphthalene	91-20-3	NA	<0.00001 U	<0.001 U	<0.0011 U	<0.00096 U	0.00004 J	NA	NA	NA	0.00004 J	NA	<0.00006 U
Nitrobenzene	98-95-3	NA	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0022 U	<0.0019 U	NA	<0.002 U	<0.0019 U	<0.0021 U	NA
Pentachlorophenol	87-86-5	NA	<0.066 U	<0.061 U	<0.064 U	<0.058 U	<0.065 U	NA	NA	NA	<0.057 U	NA	NA
Phenanthrene	85-01-8	NA	<0.00002 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00002 U	NA	NA	NA	<0.00004 U	NA	<0.00002 U
Phenol	108-95-2	NA	<0.0049 U	<0.0045 U	<0.0047 U	<0.0042 U	<0.0047 U	NA	NA	NA	<0.0042 U	NA	NA
Pyrene	129-00-0	NA	<0.00002 U	<0.001 U	<0.0011 U	<0.00096 U	<0.00002 U	NA	NA	NA	<0.00001 U	NA	<7E-6 U
Total Cresols	1319-77-3	NA	<0.00055 U	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA	NA



Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		L12mw-183	L12mw-187	L12mw-187	L12mw-242	L12mw-242	L12mw-242	L12mw-245	L12mw-245	L12mw-247	L12mw-247	L12mw-247	LL1mw-065
Sample Id		LL12mw-183-181001-GW	LL12mw-187-062718-GW	LL12mw-187-181001-GW	LL12mw-242-D-062718-G	LL12mw-242-062718-GW	LL12mw-242-181001-GW	LL12mw-245-062718-GW	LL12mw-245-181001-GW	LL12mw-247-D-062618-G	LL12mw-247-062618-GW	LL12mw-247-181001-GW	LL1mw-065-062718-GW
Date		10/31/18	06/27/18	10/31/18	06/27/18	06/27/18	10/29/18	06/27/18	10/31/18	06/26/18	06/26/18	10/29/18	06/28/18
Sample Type		GR	GR	GR	FD	GR	GR	GR	GR	FD	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobenzenamine	88-74-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3+4-Methylphenol	15831-10-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitrobenzenamine	99-09-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorobenzeneamine	106-47-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobenzenamine	100-01-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	<0.00005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	<0.00005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	<0.00005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	56-55-3	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzenemethanol	100-51-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	65-85-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		L12mw-183	L12mw-187	L12mw-187	L12mw-242	L12mw-242	L12mw-242	L12mw-245	L12mw-245	L12mw-247	L12mw-247	L12mw-247	LL1mw-065
Sample Id		LL12mw-183-181001-GW	LL12mw-187-062718-GW	LL12mw-187-181001-GW	LL12mw-242-D-062718-G	LL12mw-242-062718-GW	LL12mw-242-181001-GW	LL12mw-245-062718-GW	LL12mw-245-181001-GW	LL12mw-247-D-062618-G	LL12mw-247-062618-GW	LL12mw-247-181001-GW	LL1mw-065-062718-GW
Date		10/31/18	06/27/18	10/31/18	06/27/18	06/27/18	10/29/18	06/27/18	10/31/18	06/26/18	06/26/18	10/29/18	06/28/18
Sample Type		GR	GR	GR	FD	GR	GR	GR	GR	FD	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	NA	<0.002 U	<0.0019 U	<0.002 U	<0.0021 U	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0019 U	<0.0022 U	<0.0019 U
Butyl benzyl phthalate	85-68-7	NA	<0.002 U	<0.0019 U	<0.002 U	<0.0021 U	<0.0022 U	<0.002 U	<0.0021 U	<0.0019 U	<0.0019 U	<0.0022 U	<0.0019 U
Carbazole	86-74-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	NA	<0.0043 U	<0.0042 U	<0.0045 U	<0.0046 U	<0.0048 U	<0.0044 U	<0.0045 U	<0.0042 U	<0.0042 U	<0.0048 U	<0.0042 U
Di-n-octylphthalate	117-84-0	NA	<0.00098 U	<0.00096 U	<0.001 U	<0.001 U	<0.0011 U	<0.001 U	<0.001 U	<0.00096 U	<0.00095 U	<0.0011 U	<0.00095 U
Dibenz(a,h)anthracene	53-70-3	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	NA	<0.00098 U	<0.00096 U	<0.001 U	<0.001 U	<0.0011 U	<0.001 U	<0.001 U	<0.00096 U	<0.00095 U	<0.0011 U	<0.00095 U
Dimethyl phthalate	131-11-3	NA	<0.00049 U	<0.00048 U	<0.00051 U	<0.00052 U	<0.00054 U	<0.0005 U	<0.00052 U	<0.00048 U	<0.00048 U	<0.00054 U	<0.00047 U
Fluoranthene	206-44-0	<0.00001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	<0.00005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	<0.00005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	0.00006 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	<0.00002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	<0.00002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		LL1mw-065	LL1mw-083	LL1mw-083	LL1mw-084	LL1mw-084	LL1mw-086	LL1mw-086	LL1mw-087	LL1mw-087	LL1mw-088	LL1mw-088	LL1mw-088
Sample Id		LL1MW-065-181001-GW	LL1mw-083-062718-GW	LL1mw-083-181001-GW	LL1mw-084-062718-GW	LL1mw-084-181001-GW	LL1mw-086-062718-GW	LL1MW-086-181001-GW	LL1mw-087-062818-GW	LL1mw-087-181001-GW	LL1mw-088-062118-GW	LL1mw-088-181002-GW	LL1mw-088-181001-GW
Date		10/23/18	06/27/18	10/24/18	06/27/18	10/24/18	06/28/18	10/22/18	06/28/18	10/26/18	06/21/18	10/22/18	10/22/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobenzenamine	88-74-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3+4-Methylphenol	15831-10-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitrobenzenamine	99-09-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorobenzenamine	106-47-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobenzenamine	100-01-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	56-55-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzenemethanol	100-51-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	65-85-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		LL1mw-065	LL1mw-083	LL1mw-083	LL1mw-084	LL1mw-084	LL1mw-086	LL1mw-086	LL1mw-087	LL1mw-087	LL1mw-088	LL1mw-088	LL1mw-088
Sample Id		LL1MW-065-181001-GW	LL1mw-083-062718-GW	LL1mw-083-181001-GW	LL1mw-084-062718-GW	LL1mw-084-181001-GW	LL1mw-086-062718-GW	LL1MW-086-181001-GW	LL1mw-087-062818-GW	LL1mw-087-181001-GW	LL1mw-088-062118-GW	LL1mw-088-181002-GW	LL1mw-088-181001-GW
Date		10/23/18	06/27/18	10/24/18	06/27/18	10/24/18	06/28/18	10/22/18	06/28/18	10/26/18	06/21/18	10/22/18	10/22/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0022 U	<0.0019 U	<0.0021 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.0021 U
Butyl benzyl phthalate	85-68-7	<0.0022 U	<0.0019 U	<0.0021 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0019 U	<0.0021 U	<0.0021 U
Carbazole	86-74-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	<0.0048 U	<0.0042 U	<0.0046 U	<0.0041 U	<0.0042 U	<0.0044 U	<0.0045 U	<0.0045 U	<0.0049 U	<0.0041 U	<0.0046 U	<0.0046 U
Di-n-octylphthalate	117-84-0	<0.0011 U	<0.00095 U	<0.001 U	<0.00094 U	<0.00095 U	<0.001 U	<0.001 U	<0.001 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.0011 U
Dibenz(a,h)anthracene	53-70-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	<0.0011 U	<0.00095 U	<0.001 U	<0.00094 U	<0.00095 U	<0.001 U	<0.001 U	<0.001 U	<0.0011 U	<0.00094 U	<0.0011 U	<0.0011 U
Dimethyl phthalate	131-11-3	<0.00055 U	<0.00047 U	<0.00052 U	<0.00047 U	<0.00047 U	<0.0005 U	<0.00052 U	<0.00051 U	<0.00055 U	<0.00047 U	<0.00053 U	<0.00053 U
Fluoranthene	206-44-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		LL1mw-089	LL1mw-089	LL2mw-059	LL2mw-059	LL2mw-267	LL2mw-267	LL2mw-272	LL3mw-244	LL3mw-244	LL3mw-246	LL3mw-246	LL3mw-246
Sample Id		LL1mw-089-D-062718-GW	LL1mw-089-062718-GW	LL2mw-059-062618-GW	LL2mw-059-181001-GW	LL2mw-267-062818-GW	LL2mw-267-181001-GW	LL2mw-272-062718-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	LL3mw-246-D-062118-GW	LL3mw-246-062118-GW	LL3mw-246-181001-GW
Date		06/27/18	06/27/18	06/26/18	10/25/18	06/28/18	10/25/18	06/27/18	06/26/18	10/26/18	06/21/18	06/21/18	10/25/18
Sample Type		FD	GR	GR	GR	GR	GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
1,2,4-Trichlorobenzene	120-82-1	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	<0.00048 U	<0.00049 U	NA	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	<0.029 U	<0.029 U	NA	NA	NA	NA	<0.032 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	<0.0085 U	<0.0086 U	NA	NA	NA	NA	<0.0095 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
2-Nitrobenzenamine	88-74-4	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
3+4-Methylphenol	15831-10-4	<0.00048 U	<0.00049 U	NA	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
3-Nitrobenzenamine	99-09-2	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	<0.0048 U	<0.0049 U	NA	NA	NA	NA	<0.0054 U	NA	NA	NA	NA	NA
4-Chlorobenzenamine	106-47-8	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
4-Nitrobenzenamine	100-01-6	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	<0.0038 U	<0.0039 U	NA	NA	NA	NA	<0.0043 U	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Anthracene	120-12-7	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Benz(a)anthracene	56-55-3	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Benzenemethanol	100-51-6	<0.00048 U	<0.00049 U	NA	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Benzoic acid	65-85-0	<0.029 U	<0.029 U	NA	NA	NA	NA	<0.032 U	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		LL1mw-089	LL1mw-089	LL2mw-059	LL2mw-059	LL2mw-267	LL2mw-267	LL2mw-272	LL3mw-244	LL3mw-244	LL3mw-246	LL3mw-246	LL3mw-246
Sample Id		LL1mw-089-D-062718-GW	LL1mw-089-062718-GW	LL2mw-059-062618-GW	LL2mw-059-181001-GW	LL2mw-267-062818-GW	LL2mw-267-181001-GW	LL2mw-272-062718-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	LL3mw-246-D-062118-GW	LL3mw-246-062118-GW	LL3mw-246-181001-GW
Date		06/27/18	06/27/18	06/26/18	10/25/18	06/28/18	10/25/18	06/27/18	06/26/18	10/26/18	06/21/18	06/21/18	10/25/18
Sample Type		FD	GR	GR	GR	GR	GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0019 U	<0.002 U	<0.0019 U	<0.0019 U	<0.002 U
Butyl benzyl phthalate	85-68-7	<0.0019 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0019 U	<0.002 U	<0.0019 U	<0.0019 U	<0.002 U
Carbazole	86-74-8	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Chrysene	218-01-9	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	<0.0042 U	<0.0043 U	<0.0042 U	<0.0045 U	<0.0042 U	<0.0045 U	<0.0048 U	<0.0042 U	<0.0044 U	<0.0042 U	<0.0043 U	<0.0044 U
Di-n-octylphthalate	117-84-0	<0.00096 U	<0.00097 U	<0.00095 U	<0.001 U	<0.00096 U	<0.001 U	<0.0011 U	<0.00095 U	<0.001 U	<0.00095 U	<0.00097 U	<0.001 U
Dibenz(a,h)anthracene	53-70-3	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	<0.00096 U	<0.00097 U	<0.00095 U	<0.001 U	<0.00096 U	<0.001 U	<0.0011 U	<0.00095 U	<0.001 U	<0.00095 U	<0.00097 U	<0.001 U
Dimethyl phthalate	131-11-3	<0.00048 U	<0.00049 U	<0.00048 U	<0.00051 U	<0.00048 U	<0.00051 U	<0.00054 U	<0.00047 U	<0.0005 U	<0.00047 U	<0.00048 U	<0.0005 U
Fluoranthene	206-44-0	<0.00048 U	<0.00049 U	NA	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA
Fluorene	86-73-7	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	<0.0096 U	<0.0097 U	NA	NA	NA	NA	<0.011 U	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	<0.029 U	<0.029 UJ	NA	NA	NA	NA	<0.032 U	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Isophorone	78-59-1	<0.00048 U	<0.00049 U	NA	NA	NA	NA	<0.00054 U	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Naphthalene	91-20-3	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	<0.0019 U	<0.0019 U	NA	NA	NA	NA	<0.0022 U	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	<0.058 U	<0.058 U	NA	NA	NA	NA	<0.065 U	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Phenol	108-95-2	<0.0042 U	<0.0043 U	NA	NA	NA	NA	<0.0048 U	NA	NA	NA	NA	NA
Pyrene	129-00-0	<0.00096 U	<0.00097 U	NA	NA	NA	NA	<0.0011 U	NA	NA	NA	NA	NA
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		LL7mw-001	LL7mw-001	NTAmw-119	NTAmw-119	NTAmw-119	NTAmw-119	NTAmw-120	NTAmw-120	RQLmw-007	RQLmw-007	RQLmw-007	RQLmw-008
Sample Id		LL7mw-001-062518-GW	LL7mw-001-181001-GW	NTAmw-119-D-062518-GW	NTAmw-119-062518-GW	NTAmw-119-181002-GW	NTAmw-119-181001-GW	NTAmw-120-D-062618-GW	NTAmw-120-062618-GW	RQLmw-007-D-062818-GW	RQLmw-007-062818-GW	RQLmw-007-181001-GW	RQLmw-008-062818-GW
Date		06/25/18	10/30/18	06/25/18	06/25/18	10/30/18	10/30/18	06/26/18	06/26/18	06/28/18	06/28/18	10/22/18	06/28/18
Sample Type		GR	GR	FD	GR	FD	GR	FD	GR	FD	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	NA	NA	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	NA	<0.00096 U
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0019 U	<0.002 U	<0.0022 U	<0.0021 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.0019 U	<0.0019 U	<0.0021 U	<0.0019 U
Butyl benzyl phthalate	85-68-7	<0.0019 U	<0.002 U	<0.0022 U	<0.0021 U	<0.002 U	<0.002 U	<0.002 U	<0.002 U	<0.0019 U	<0.0019 U	<0.0021 U	<0.0019 U
Carbazole	86-74-8	NA	NA	NA	NA	NA	NA	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	NA	<0.00096 U
Chrysene	218-01-9	NA	NA	<0.00001 U	<0.00001 U	NA	<0.00001 U	<0.002 U	<0.002 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U
Di-n-butyl phthalate	84-74-2	<0.0042 U	<0.0045 U	<0.0049 U	<0.0047 U	<0.0044 U	<0.0043 U	<0.0044 U	<0.0043 U	<0.0042 U	<0.0043 U	<0.0045 U	<0.0042 U
Di-n-octylphthalate	117-84-0	<0.00096 U	<0.001 U	<0.0011 U	<0.0011 U	<0.001 U	<0.00098 U	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	<0.001 U	<0.00096 U
Dibenz(a,h)anthracene	53-70-3	NA	NA	<0.00001 U	<0.00001 U	NA	<0.00001 U	<0.002 U	<0.002 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	NA	<0.00096 U
Diethyl phthalate	84-66-2	<0.00096 U	<0.001 U	<0.0011 U	<0.0011 U	<0.001 U	<0.00098 U	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	<0.001 U	<0.00096 U
Dimethyl phthalate	131-11-3	<0.00048 U	<0.00051 U	<0.00056 U	<0.00053 U	<0.0005 U	<0.00049 U	<0.0005 U	<0.00049 U	<0.00048 U	<0.00049 U	<0.00052 U	<0.00048 U
Fluoranthene	206-44-0	NA	NA	<0.00003 UJ	<0.00003 UJ	NA	<0.00001 U	<0.0005 U	<0.00049 U	<0.00009 U	<0.0001 U	0.00002 J	<0.0001 U
Fluorene	86-73-7	NA	NA	<0.00004 U	<0.00004 U	NA	<0.00004 U	<0.001 U	<0.00098 U	<0.00004 U	<0.00004 U	<0.00004 U	0.00005 J
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	<0.002 U	<0.002 U	<0.0019 U	<0.0019 U	NA	<0.0019 U
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	NA	NA	<0.01 U	<0.0098 U	<0.0095 UJ	<0.0097 UJ	NA	<0.0096 UJ
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	<0.03 R	<0.029 R	<0.029 UJ	<0.029 UJ	NA	<0.029 UJ
Hexachloroethane	67-72-1	NA	NA	NA	NA	NA	NA	<0.0044 U	<0.0043 U	<0.0042 UJ	<0.0043 UJ	NA	<0.0042 UJ
Indeno(1,2,3-cd)pyrene	193-39-5	NA	NA	<0.00004 U	<0.00004 U	NA	<0.00004 U	<0.002 U	<0.002 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U
Isophorone	78-59-1	NA	NA	NA	NA	NA	NA	<0.0005 U	<0.00049 U	<0.00048 U	<0.00049 U	NA	<0.00048 U
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	NA	NA	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	NA	<0.00096 U
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	NA	NA	<0.001 U	<0.00098 U	<0.00095 U	<0.00097 U	NA	<0.00096 U
Naphthalene	91-20-3	NA	NA	0.00003 J	0.00002 J	NA	<0.00001 U	<0.001 U	<0.00098 U	0.00002 J	0.00002 J	<0.00001 U	0.00002 J
Nitrobenzene	98-95-3	NA	NA	<0.0022 U	<0.0021 U	NA	<0.002 U	<0.002 U	<0.002 U	NA	NA	NA	NA
Pentachlorophenol	87-86-5	NA	NA	NA	NA	NA	NA	<0.06 U	<0.059 U	<0.057 U	<0.058 U	<0.062 U	<0.057 U
Phenanthrene	85-01-8	NA	NA	<0.00005 UJ	<0.00004 UJ	NA	<0.00002 U	<0.001 U	<0.00098 U	<0.00009 U	<0.0001 U	0.00003 J	0.00017
Phenol	108-95-2	NA	NA	NA	NA	NA	NA	<0.0044 U	<0.0043 U	<0.0042 U	<0.0043 U	<0.0045 U	<0.0042 U
Pyrene	129-00-0	NA	NA	<0.00002 UJ	<0.00002 UJ	NA	<0.00002 U	<0.001 U	<0.00098 U	<0.00009 U	<0.0001 U	<0.00002 U	<0.0001 U
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00052 U	NA





Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		RQLmw-008	RQLmw-009	RQLmw-009	RQLmw-011	RQLmw-011	RQLmw-011	SCFmw-004	SCFmw-004	SCLmw-001	SCLmw-002	SCLmw-002	SCLmw-003
Sample Id		RQLmw-008-181001-GW	RQLmw-009-062818-GW	RQLmw-009-181001-GW	RQLmw-011-062818-GW	RQLMW-011-181002-GW	RQLMW-011-181001-GW	SCFmw-004-062818-GW	SCFmw-004-181001-GW	SCLmw-001-181001-GW	SCLmw-002-181002-GW	SCLmw-002-181001-GW	SCLmw-003-181001-GW
Date		10/22/18	06/28/18	10/19/18	06/28/18	10/18/18	10/18/18	06/28/18	10/26/18	11/02/18	11/01/18	11/01/18	11/02/18
Sample Type		GR	GR	GR	GR	FD	GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number												
Bis(2-chloroisopropyl) ether	108-60-1	NA	<0.00095 U	NA	<0.00095 U	<0.0011 U	<0.0011 U	NA	NA	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0021 U	<0.0019 U	<0.0023 U	<0.0019 U	<0.0021 U	<0.0021 U	<0.002 UJ	<0.002 U	<0.0023 U	<0.002 U	<0.0022 U	<0.0021 U
Butyl benzyl phthalate	85-68-7	<0.0021 U	<0.0019 U	<0.0023 U	<0.0019 U	<0.0021 U	<0.0021 U	<0.002 UJ	<0.002 U	<0.0023 U	<0.002 U	<0.0022 U	<0.0021 U
Carbazole	86-74-8	NA	<0.00095 U	NA	<0.00095 U	<0.0011 U	<0.0011 U	NA	NA	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Chrysene	218-01-9	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U	NA	NA	<0.00001 U	0.00002 J	<0.00001 U	0.00005 J
Di-n-butyl phthalate	84-74-2	<0.0045 U	<0.0042 U	<0.005 U	<0.0042 U	<0.0047 U	<0.0046 U	<0.0043 UJ	<0.0044 U	<0.0051 U	<0.0043 U	<0.0048 U	<0.0047 U
Di-n-octylphthalate	117-84-0	<0.001 U	<0.00095 U	<0.0011 U	<0.00095 U	<0.0011 U	<0.0011 U	<0.00098 UJ	<0.001 U	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Dibenz(a,h)anthracene	53-70-3	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 UJ	<0.00001 U	<0.00001 U	NA	NA	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U
Dibenzofuran	132-64-9	NA	<0.00095 U	NA	<0.00095 U	<0.0011 U	<0.0011 U	NA	NA	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Diethyl phthalate	84-66-2	<0.001 U	<0.00095 U	<0.0011 U	<0.00095 U	<0.0011 U	<0.0011 U	<0.00098 UJ	<0.001 U	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Dimethyl phthalate	131-11-3	<0.00051 U	<0.00048 U	<0.00056 U	<0.00047 U	<0.00053 U	<0.00053 U	<0.00049 UJ	<0.0005 U	<0.00058 U	<0.00049 U	<0.00054 U	<0.00053 U
Fluoranthene	206-44-0	<0.00001 U	<0.0001 U	0.00003 J	<0.00002 U	<0.00001 U	<0.00001 U	NA	NA	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U
Fluorene	86-73-7	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00005 U	NA	NA	<0.00005 U	<0.00004 U	<0.00004 U	<0.00005 U
Hexachlorobenzene	118-74-1	NA	<0.0019 U	NA	<0.0019 U	<0.0021 U	<0.0021 U	NA	NA	<0.0023 U	<0.002 U	<0.0022 U	<0.0021 U
Hexachlorobutadiene	87-68-3	NA	<0.0095 UJ	NA	<0.0095 U	<0.011 U	<0.011 U	NA	NA	<0.012 U	<0.0099 U	<0.011 U	<0.011 U
Hexachlorocyclopentadiene	77-47-4	NA	<0.029 UJ	NA	<0.028 U	<0.032 U	<0.032 U	NA	NA	<0.035 U	<0.03 U	<0.033 U	<0.032 U
Hexachloroethane	67-72-1	NA	<0.0042 UJ	NA	<0.0042 U	<0.0047 U	<0.0046 U	NA	NA	<0.0051 U	<0.0043 U	<0.0048 U	<0.0047 U
Indeno(1,2,3-cd)pyrene	193-39-5	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00004 U	<0.00005 U	NA	NA	<0.00005 U	<0.00004 U	<0.00004 U	0.00002 J
Isophorone	78-59-1	NA	<0.00048 U	NA	<0.00047 U	<0.00053 U	<0.00053 U	NA	NA	<0.00058 U	<0.00049 U	<0.00054 U	<0.00053 U
N-Nitroso-di-n-propylamine	621-64-7	NA	<0.00095 U	NA	<0.00095 U	<0.0011 U	<0.0011 U	NA	NA	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
N-Nitrosodiphenylamine	86-30-6	NA	<0.00095 U	NA	<0.00095 U	<0.0011 U	<0.0011 U	NA	NA	<0.0012 U	<0.00099 U	<0.0011 U	<0.0011 U
Naphthalene	91-20-3	<0.00001 U	0.00002 J	<0.00001 U	0.00004 J	<0.00001 U	<0.00001 U	NA	NA	<0.00001 U	<0.00001 U	<0.00001 U	<0.00001 U
Nitrobenzene	98-95-3	NA	NA	NA	<0.0019 U	<0.0021 U	<0.0021 U	NA	NA	<0.0023 U	<0.002 U	<0.0022 U	<0.0021 U
Pentachlorophenol	87-86-5	<0.062 U	<0.057 U	<0.068 U	<0.057 U	<0.064 U	<0.063 U	NA	NA	<0.069 U	<0.059 U	<0.065 U	<0.064 U
Phenanthrene	85-01-8	<0.00002 U	<0.0001 U	0.00002 J	<0.00003 U	<0.00002 U	<0.00002 U	NA	NA	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Phenol	108-95-2	<0.0045 U	<0.0042 U	<0.005 U	<0.0042 U	<0.0047 U	<0.0046 U	NA	NA	<0.0051 U	<0.0043 U	<0.0048 U	<0.0047 U
Pyrene	129-00-0	<0.00002 U	<0.0001 U	<0.00002 U	<9.5E-6 U	<0.00002 U	<0.00002 U	NA	NA	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Total Cresols	1319-77-3	<0.00051 U	NA	<0.00056 U	NA	<0.00053 U	<0.00053 U	NA	NA	<0.00058 U	<0.00049 U	<0.00054 U	<0.00053 U

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		WBGmw-006	WBGmw-006	WBGmw-009	WBGmw-009	WBGmw-020	WBGmw-020	WBGmw-021	WBGmw-021
Sample Id		WBGmw-006-062618-GW	WBGmw-006-181001-GW	WBGmw-009-062618-GW	WBGmw-009-181001-GW	WBGmw-020-062618-GW	WBGmw-020-181001-GW	WBGmw-021-062618-GW	WBGmw-021-181001-GW
Date		06/26/18	10/23/18	06/26/18	10/23/18	06/26/18	10/23/18	06/26/18	10/23/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number								
1,2,4-Trichlorobenzene	120-82-1	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	534-52-1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrobenzenamine	88-74-4	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NA	NA	NA	NA	NA	NA	NA	NA
3+4-Methylphenol	15831-10-4	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitrobenzenamine	99-09-2	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorobenzenamine	106-47-8	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrobenzenamine	100-01-6	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	56-55-3	NA	NA	NA	NA	NA	NA	NA	NA
Benzenemethanol	100-51-6	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191-24-2	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	65-85-0	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl) ether	111-44-4	NA	NA	NA	NA	NA	NA	NA	NA

Table E-3. 2018 Groundwater Sample Analytical Results - SVOCs

Station		WBGmw-006	WBGmw-006	WBGmw-009	WBGmw-009	WBGmw-020	WBGmw-020	WBGmw-021	WBGmw-021
Sample Id		WBGmw-006-062618-GW	WBGmw-006-181001-GW	WBGmw-009-062618-GW	WBGmw-009-181001-GW	WBGmw-020-062618-GW	WBGmw-020-181001-GW	WBGmw-021-062618-GW	WBGmw-021-181001-GW
Date		06/26/18	10/23/18	06/26/18	10/23/18	06/26/18	10/23/18	06/26/18	10/23/18
Sample Type		GR	GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number								
Bis(2-chloroisopropyl) ether	108-60-1	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0019 U	<0.002 U	<0.0019 U	<0.0022 U	<0.002 U	<0.002 U	<0.0019 U	<0.0021 U
Butyl benzyl phthalate	85-68-7	<0.0019 U	<0.002 U	<0.0019 U	<0.0022 U	<0.002 U	<0.002 U	<0.0019 U	<0.0021 U
Carbazole	86-74-8	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	<0.0042 U	<0.0045 U	<0.0042 U	<0.0048 U	<0.0044 U	<0.0044 U	<0.0042 U	<0.0046 U
Di-n-octylphthalate	117-84-0	<0.00095 U	<0.001 U	<0.00095 U	<0.0011 U	<0.001 U	<0.001 U	<0.00096 U	<0.001 U
Dibenz(a,h)anthracene	53-70-3	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	<0.00095 U	<0.001 U	<0.00095 U	<0.0011 U	<0.001 U	<0.001 U	<0.00096 U	<0.001 U
Dimethyl phthalate	131-11-3	<0.00047 U	<0.00051 U	<0.00048 U	<0.00054 U	<0.0005 U	<0.0005 U	<0.00048 U	<0.00052 U
Fluoranthene	206-44-0	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	621-64-7	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	NA	NA	NA	NA	NA	NA	NA	NA
Total Cresols	1319-77-3	NA	NA	NA	NA	NA	NA	NA	NA







Table E-4. 2018 Groundwater Sample Analytical Results - VOCs

Station		SCLmw-002	SCLmw-002	SCLmw-003
Sample Id		SCLmw-002-181002-GW	SCLmw-002-181001-GW	SCLmw-003-181001-GW
Date		11/01/18	11/01/18	11/02/18
Sample Type		FD	GR	GR
Filter Status		Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number			
1,1,1-Trichloroethane	71-55-6	<0.0004 U	<0.0004 U	<0.0004 U
1,1,2,2-Tetrachloroethane	79-34-5	<0.0008 U	<0.0008 U	<0.0008 U
1,1,2-Trichloroethane	79-00-5	<0.0008 U	<0.0008 U	<0.0008 U
1,1-Dichloroethane	75-34-3	<0.0008 U	<0.0008 U	<0.0008 U
1,1-Dichloroethene	75-35-4	<0.0008 U	<0.0008 U	<0.0008 U
1,2-Dibromoethane	106-93-4	<0.0004 U	<0.0004 U	<0.0004 U
1,2-Dichloroethane	107-06-2	<0.0004 U	<0.0004 U	<0.0004 U
1,2-Dichloroethene	540-59-0	<0.0002 U	<0.0002 U	<0.0002 U
1,2-Dichloropropane	78-87-5	<0.0004 U	<0.0004 U	<0.0004 U
2-Butanone	78-93-3	<0.004 U	<0.004 U	<0.004 U
2-Hexanone	591-78-6	<0.004 U	<0.004 U	<0.004 U
4-Methyl-2-pentanone	108-10-1	<0.0032 U	<0.0032 U	<0.0032 U
Acetone	67-64-1	<0.0064 U	<0.0064 U	<0.0064 U
Benzene	71-43-2	<0.0004 U	<0.0004 U	<0.0004 U
Bromobenzene	108-86-1	<0.0004 U	<0.0004 U	<0.0004 U
Bromochloromethane	74-97-5	<0.0002 U	<0.0002 U	<0.0002 U
Bromodichloromethane	75-27-4	<0.0004 U	<0.0004 U	<0.0004 U
Bromoform	75-25-2	<0.0004 U	<0.0004 U	<0.0004 U
Bromomethane	74-83-9	<0.0008 U	<0.0008 U	<0.0008 U
Carbon disulfide	75-15-0	<0.0016 U	<0.0016 U	<0.0016 U
Carbon tetrachloride	56-23-5	<0.0004 U	<0.0004 U	<0.0004 U
Chlorobenzene	108-90-7	<0.0004 U	<0.0004 U	<0.0004 U
Chloroethane	75-00-3	<0.0016 U	<0.0016 U	<0.0016 U
Chloroform	67-66-3	<0.0004 U	<0.0004 U	<0.0004 U
Chloromethane	74-87-3	<0.0008 U	<0.0008 U	<0.0008 U
Dibromochloromethane	124-48-1	<0.0004 U	<0.0004 U	<0.0004 U
Ethylbenzene	100-41-4	<0.0004 U	<0.0004 U	<0.0004 U
Methylene chloride	75-09-2	0.00041 J	<0.0008 U	0.00085 J
Styrene	100-42-5	<0.0004 U	<0.0004 U	<0.0004 U
Tetrachloroethene	127-18-4	<0.0004 U	<0.0004 U	<0.0004 U
Toluene	108-88-3	<0.0004 U	<0.0004 U	<0.0004 U
Trichloroethene	79-01-6	<0.0004 U	<0.0004 U	<0.0004 U
Vinyl chloride	75-01-4	<0.0002 U	<0.0002 U	<0.0002 U
Xylenes, total	1330-20-7	<0.0008 U	<0.0008 U	<0.0008 U
cis-1,3-Dichloropropene	10061-01-5	<0.0004 U	<0.0004 U	<0.0004 U
trans-1,3-Dichloropropene	10061-02-6	<0.0004 U	<0.0004 U	<0.0004 U



Table E-5. 2018 Groundwater Sample Analytical Results - PCBs

Station		CBLmw-001	CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	DET-3	DET-3
Sample Id		CBLmw-001-D-062018-GW	CBLmw-001-062018-GW	CBLmw-002-062018-GW	CBLmw-003-062118-GW	CBLmw-004-062118-GW	DETMw-003-D-062618-GW	DETMw-003-062618-GW
Date		06/20/18	06/20/18	06/20/18	06/21/18	06/21/18	06/26/18	06/26/18
Sample Type		FD	GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
PCB-1016	12674-11-2	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1221	11104-28-2	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1232	11141-16-5	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1242	53469-21-9	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1248	12672-29-6	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1254	11097-69-1	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U
PCB-1260	11096-82-5	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U	<0.0001 U

Table E-5. 2018 Groundwater Sample Analytical Results - PCBs

Station		DET-3	DET-3	DET-4	FWGmw-018	FWGmw-018	FWGmw-019	FWGmw-019
Sample Id		DET-003-181002-GW	DET-003-181001-GW	DET-004-181001-GW	FWGmw-018-062118-GW	FWGmw-018-181001-GW	FWGmw-019-062618-GW	FWGmw-019-181001-GW
Date		10/24/18	10/24/18	10/24/18	06/21/18	10/26/18	06/26/18	10/29/18
Sample Type		FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate
Analyte (mg/L)	CAS Number							
PCB-1016	12674-11-2	<0.00039 U	<0.00041 U	<0.00043 U	<0.00009 U	<0.00042 U	<0.0001 U	<0.00041 U
PCB-1221	11104-28-2	<0.00025 U	<0.00026 U	<0.00027 U	<0.00009 U	<0.00026 U	<0.0001 U	<0.00026 U
PCB-1232	11141-16-5	<0.00059 U	<0.00061 U	<0.00064 U	<0.00009 U	<0.00063 U	<0.0001 U	<0.00062 U
PCB-1242	53469-21-9	<0.0003 U	<0.00031 U	<0.00032 U	<0.00009 U	<0.00031 U	<0.0001 U	<0.00031 U
PCB-1248	12672-29-6	<0.0003 U	<0.00031 U	<0.00032 U	<0.00009 U	<0.00031 U	<0.0001 U	<0.00031 U
PCB-1254	11097-69-1	<0.00025 U	<0.00026 U	<0.00027 U	<0.00009 U	<0.00026 U	<0.0001 U	<0.00026 U
PCB-1260	11096-82-5	<0.00039 U	<0.00041 U	<0.00043 U	<0.00009 U	<0.00042 U	<0.0001 U	<0.00041 U

Table E-5. 2018 Groundwater Sample Analytical Results - PCBs

Station		FWGmw-020	FWGmw-020	FWGmw-021	FWGmw-021	FWGmw-022	FWGmw-022	RQLmw-007
Sample Id		FWGmw-020-062118-GW	FWGmw-020-181001-GW	FWGmw-021-062118-GW	FWGmw-021-181001-GW	FWGmw-022-062618-GW	FWGmw-022-181001-GW	RQLmw-007-D-062818-GW
Date		06/21/18	10/26/18	06/21/18	10/25/18	06/26/18	10/29/18	06/28/18
Sample Type		GR	GR	GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
PCB-1016	12674-11-2	<0.0001 U	<0.00042 U	<0.0001 U	<0.00041 U	<0.00011 U	<0.00041 U	<0.0001 U
PCB-1221	11104-28-2	<0.0001 U	<0.00026 U	<0.0001 U	<0.00026 U	<0.00011 U	<0.00026 U	<0.0001 U
PCB-1232	11141-16-5	<0.0001 U	<0.00063 U	<0.0001 U	<0.00062 U	<0.00011 U	<0.00062 U	<0.0001 U
PCB-1242	53469-21-9	<0.0001 U	<0.00031 U	<0.0001 U	<0.00031 U	<0.00011 U	<0.00031 U	<0.0001 U
PCB-1248	12672-29-6	<0.0001 U	<0.00031 U	<0.0001 U	<0.00031 U	<0.00011 U	<0.00031 U	<0.0001 U
PCB-1254	11097-69-1	<0.0001 U	<0.00026 U	<0.0001 U	<0.00026 U	<0.00011 U	<0.00026 U	<0.0001 U
PCB-1260	11096-82-5	<0.0001 U	<0.00042 U	<0.0001 U	<0.00041 U	<0.00011 U	<0.00041 U	<0.0001 U

Table E-5. 2018 Groundwater Sample Analytical Results - PCBs

Station		RQLmw-007	RQLmw-007	RQLmw-008	RQLmw-008	RQLmw-009	RQLmw-009	SCLmw-001
Sample Id		RQLmw-007-062818-GW	RQLmw-007-181001-GW	RQLmw-008-062818-GW	RQLmw-008-181001-GW	RQLmw-009-062818-GW	RQLmw-009-181001-GW	SCLmw-001-181001-GW
Date		06/28/18	10/22/18	06/28/18	10/22/18	06/28/18	10/19/18	11/02/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated
Analyte (mg/L)	CAS Number							
PCB-1016	12674-11-2	<0.0001 UJ	<0.00039 U	<0.00011 U	<0.00041 U	<0.0001 U	<0.0041 U	<0.00044 U
PCB-1221	11104-28-2	<0.0001 U	<0.00024 U	<0.00011 U	<0.00026 U	<0.0001 U	<0.0026 U	<0.00028 U
PCB-1232	11141-16-5	<0.0001 U	<0.00058 U	<0.00011 U	<0.00062 U	<0.0001 U	<0.0062 U	<0.00066 U
PCB-1242	53469-21-9	<0.0001 U	<0.00029 U	<0.00011 U	<0.00031 U	<0.0001 U	<0.0031 U	<0.00033 U
PCB-1248	12672-29-6	<0.0001 U	<0.00029 U	<0.00011 U	<0.00031 U	<0.0001 U	<0.0031 U	<0.00033 U
PCB-1254	11097-69-1	<0.0001 U	<0.00024 U	<0.00011 U	<0.00026 U	<0.0001 U	<0.0026 U	<0.00028 U
PCB-1260	11096-82-5	<0.0001 U	<0.00039 U	<0.00011 U	<0.00041 U	<0.0001 U	<0.0041 U	<0.00044 U

**Table E-5. 2018 Groundwater Sample Analytical Results - PCBs**

<b>Station</b>		<b>SCLmw-002</b>	<b>SCLmw-002</b>	<b>SCLmw-003</b>
<b>Sample Id</b>		<b>SCLmw-002-181002-GW</b>	<b>SCLmw-002-181001-GW</b>	<b>SCLmw-003-181001-GW</b>
<b>Date</b>		<b>11/01/18</b>	<b>11/01/18</b>	<b>11/02/18</b>
<b>Sample Type</b>		<b>FD</b>	<b>GR</b>	<b>GR</b>
<b>Filter Status</b>		<b>Total</b>	<b>Total</b>	<b>Total</b>
<b>Aquifer</b>		<b>Unconsolidated</b>	<b>Unconsolidated</b>	<b>Unconsolidated</b>
<b>Analyte (mg/L)</b>	<b>CAS Number</b>			
PCB-1016	12674-11-2	<0.00039 U	<0.00041 U	<0.00043 U
PCB-1221	11104-28-2	<0.00025 U	<0.00026 U	<0.00027 U
PCB-1232	11141-16-5	<0.00059 U	<0.00061 U	<0.00065 U
PCB-1242	53469-21-9	<0.0003 U	<0.00031 U	<0.00032 U
PCB-1248	12672-29-6	<0.0003 U	<0.00031 U	<0.00032 U
PCB-1254	11097-69-1	<0.00025 U	<0.00026 U	<0.00027 U
PCB-1260	11096-82-5	<0.00039 U	<0.00041 U	<0.00043 U

Table E-6. 2018 Groundwater Sample Analytical Results - Pesticides

Station		DET-3	DET-3	DET-3	DET-3	DET-4	FBQmw-174	FWGmw-021
Sample Id		DETMw-003-D-062618-GW	DETMw-003-062618-GW	DET-003-181002-GW	DET-003-181001-GW	DET-004-181001-GW	FBQmw-174-062518-GW	FWGmw-021-062118-GW
Date		06/26/18	06/26/18	10/24/18	10/24/18	10/24/18	06/25/18	06/21/18
Sample Type		FD	GR	FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Upper Sharon
Analyte (mg/L)	CAS Number							
4,4'-DDD	72-54-8	<0.00006 U	<0.00006 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00005 U	<0.00005 U
4,4'-DDE	72-55-9	<0.00002 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
4,4'-DDT	50-29-3	<0.00002 U	<0.00002 U	<0.00005 U	<0.00005 U	<0.00005 U	<0.00001 U	<0.00001 U
Aldrin	309-00-2	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Dieldrin	60-57-1	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan I	959-98-8	<0.00002 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan II	33213-65-9	<0.00004 U	<0.00005 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00004 U	<0.00004 U
Endosulfan sulfate	1031-07-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin	72-20-8	<0.00003 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin aldehyde	7421-93-4	<0.00004 U	<0.00005 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00004 U	<0.00004 U
Endrin ketone	53494-70-5	<0.00004 U	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00004 U
Heptachlor	76-44-8	<0.00006 U	<0.00006 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00005 U	<0.00005 U
Heptachlor epoxide	1024-57-3	<0.00004 U	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00004 U
Lindane	58-89-9	<0.00003 U	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U
Methoxychlor	72-43-5	<0.00004 U	<0.00004 U	<0.00005 U	<0.00005 U	<0.00005 U	<0.00003 U	<0.00004 U
Toxaphene	8001-35-2	<0.0021 UJ	<0.0021 UJ	<0.00079 U	<0.00082 U	<0.00086 U	<0.0017 UJ	<0.0019 U
alpha-BHC	319-84-6	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
alpha-Chlordane	5103-71-9	<0.00003 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U
beta-BHC	319-85-7	<0.00004 U	<0.00005 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00004 U	<0.00004 U
delta-BHC	319-86-8	<0.00003 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
gamma-Chlordane	5103-74-2	<0.00003 U	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U

Table E-6. 2018 Groundwater Sample Analytical Results - Pesticides

Station		FWGmw-021	LL1mw-083	LL1mw-083	LL1mw-084	LL1mw-084	LL1mw-088	LL1mw-088
Sample Id		FWGmw-021-181001-GW	LL1mw-083-062718-GW	LL1mw-083-181001-GW	LL1mw-084-062718-GW	LL1mw-084-181001-GW	LL1mw-088-062118-GW	LL1mw-088-181002-GW
Date		10/25/18	06/27/18	10/24/18	06/27/18	10/24/18	06/21/18	10/22/18
Sample Type		GR	GR	GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
4,4'-DDD	72-54-8	<0.00002 U	<0.00005 U	<0.00002 U	<0.00005 U	<0.00002 U	<0.00005 U	<0.00002 U
4,4'-DDE	72-55-9	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
4,4'-DDT	50-29-3	<0.00005 U	<0.00001 U	<0.00005 U	<0.00001 U	<0.00006 U	<0.00002 U	<0.00005 U
Aldrin	309-00-2	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Dieldrin	60-57-1	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan I	959-98-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan II	33213-65-9	<0.00002 U	<0.00004 U	<0.00002 U	<0.00004 U	<0.00002 U	<0.00004 U	<0.00002 U
Endosulfan sulfate	1031-07-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin	72-20-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00002 U
Endrin aldehyde	7421-93-4	<0.00002 UJ	<0.00004 U	<0.00002 U	<0.00004 U	<0.00002 U	<0.00004 U	<0.00002 U
Endrin ketone	53494-70-5	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U	<0.00004 U	<0.00002 U
Heptachlor	76-44-8	<0.00002 U	<0.00005 U	<0.00002 U	<0.00005 UJ	<0.00002 U	<0.00005 U	<0.00002 U
Heptachlor epoxide	1024-57-3	<0.00002 U	<0.00004 U	<0.00002 U	<0.00003 U	<0.00002 U	<0.00004 U	<0.00002 U
Lindane	58-89-9	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U
Methoxychlor	72-43-5	<0.00005 U	<0.00004 UJ	<0.00005 U	<0.00003 U	<0.00006 U	<0.00004 U	<0.00005 U
Toxaphene	8001-35-2	0.0013 J	<0.0018 U	<0.00083 U	<0.0018 U	<0.0009 U	<0.002 U	<0.00084 UJ
alpha-BHC	319-84-6	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
alpha-Chlordane	5103-71-9	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U
beta-BHC	319-85-7	<0.00002 U	<0.00004 U	<0.00002 U	0.00003 J	<0.00002 U	<0.00004 U	<0.00002 U
delta-BHC	319-86-8	<0.00002 U	<0.00002 U	9.4E-6 J	<0.00002 U	<0.00002 U	<0.00003 U	<0.00002 U
gamma-Chlordane	5103-74-2	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00002 U

Table E-6. 2018 Groundwater Sample Analytical Results - Pesticides

Station		LL1mw-088	LL3mw-244	LL3mw-244	RQLmw-007	RQLmw-007	RQLmw-007	RQLmw-008
Sample Id		LL1mw-088-181001-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	RQLmw-007-D-062818-GW	RQLmw-007-062818-GW	RQLmw-007-181001-GW	RQLmw-008-062818-GW
Date		10/22/18	06/26/18	10/26/18	06/28/18	06/28/18	10/22/18	06/28/18
Sample Type		GR	GR	GR	FD	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
4,4'-DDD	72-54-8	<0.00002 U	<0.00005 U	<0.00002 U	<0.00006 U	<0.00006 U	<0.00002 U	<0.00006 U
4,4'-DDE	72-55-9	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U	<0.00002 U	<0.00003 U
4,4'-DDT	50-29-3	<0.00005 U	<0.00001 U	<0.00005 U	<0.00002 U	<0.00002 U	<0.00005 U	<0.00002 U
Aldrin	309-00-2	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Dieldrin	60-57-1	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan I	959-98-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U	<0.00002 U	<0.00003 U
Endosulfan II	33213-65-9	<0.00002 U	<0.00004 U	<0.00002 U	<0.00005 U	<0.00005 U	<0.00002 U	<0.00005 U
Endosulfan sulfate	1031-07-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin	72-20-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U	<0.00002 U	<0.00003 U
Endrin aldehyde	7421-93-4	<0.00002 U	<0.00004 U	<0.00002 U	<0.00005 U	<0.00005 U	<0.00002 U	<0.00005 U
Endrin ketone	53494-70-5	<0.00002 U	<0.00003 U	<0.00002 U	<0.00004 U	<0.00004 U	<0.00002 U	<0.00004 U
Heptachlor	76-44-8	<0.00002 U	<0.00005 U	<0.00002 U	<0.00006 U	<0.00006 U	<0.00002 U	<0.00006 U
Heptachlor epoxide	1024-57-3	<0.00002 U	<0.00003 U	<0.00002 U	<0.00004 U	<0.00004 U	<0.00002 U	<0.00004 U
Lindane	58-89-9	<0.00002 U	<0.00003 U	<0.00002 U	<0.00004 U	<0.00004 U	<0.00002 U	<0.00004 U
Methoxychlor	72-43-5	<0.00005 U	<0.00003 U	<0.00005 U	<0.00004 U	<0.00004 U	<0.00005 U	<0.00004 U
Toxaphene	8001-35-2	<0.00085 UJ	<0.0017 U	<0.00081 UJ	<0.0021 U	<0.0022 U	<0.00077 UJ	<0.0021 U
alpha-BHC	319-84-6	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
alpha-Chlordane	5103-71-9	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00003 U	<0.00002 U	<0.00003 U
beta-BHC	319-85-7	<0.00002 U	<0.00004 U	<0.00002 U	<0.00005 U	<0.00005 U	<0.00002 U	<0.00005 U
delta-BHC	319-86-8	<0.00002 U	<0.00002 U	<0.00002 U	<0.00003 U	<0.00003 U	<0.00002 U	<0.00003 U
gamma-Chlordane	5103-74-2	<0.00002 U	<0.00003 U	<0.00002 U	<0.00003 U	<0.00004 U	<0.00002 U	<0.00003 U



Table E-6. 2018 Groundwater Sample Analytical Results - Pesticides

Station		RQLmw-008	RQLmw-009	RQLmw-009	SCFmw-004	SCFmw-004	SCLmw-001	SCLmw-002
Sample Id		RQLmw-008-181001-GW	RQLmw-009-062818-GW	RQLmw-009-181001-GW	SCFmw-004-062818-GW	SCFmw-004-181001-GW	SCLmw-001-181001-GW	SCLmw-002-181002-GW
Date		10/22/18	06/28/18	10/19/18	06/28/18	10/26/18	11/02/18	11/01/18
Sample Type		GR	GR	GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
4,4'-DDD	72-54-8	<0.00002 U	<0.00006 U	<0.00021 UJ	<0.00005 UJ	<0.00002 U	<0.00002 U	<0.00002 U
4,4'-DDE	72-55-9	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
4,4'-DDT	50-29-3	<0.00005 U	<0.00002 U	<0.00051 UJ	<0.00002 U	<0.00005 U	<0.00006 U	<0.00005 U
Aldrin	309-00-2	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Dieldrin	60-57-1	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan I	959-98-8	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan II	33213-65-9	<0.00002 U	<0.00004 U	<0.00021 UJ	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U
Endosulfan sulfate	1031-07-8	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin	72-20-8	<0.00002 U	<0.00003 U	<0.00021 UJ	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin aldehyde	7421-93-4	<0.00002 U	<0.00004 U	<0.00021 UJ	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U
Endrin ketone	53494-70-5	<0.00002 U	<0.00004 U	<0.00021 UJ	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U
Heptachlor	76-44-8	<0.00002 U	<0.00006 U	<0.00021 UJ	<0.00005 U	<0.00002 U	<0.00002 U	<0.00002 U
Heptachlor epoxide	1024-57-3	<0.00002 U	<0.00004 U	<0.00021 UJ	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U
Lindane	58-89-9	<0.00002 U	<0.00003 U	<0.00021 UJ	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U
Methoxychlor	72-43-5	<0.00005 U	<0.00004 U	<0.00051 UJ	<0.00004 U	<0.00005 U	<0.00006 U	<0.00005 U
Toxaphene	8001-35-2	<0.00082 UJ	<0.0021 U	<0.0082 U	<0.002 U	<0.00079 UJ	<0.00089 U	<0.00079 UJ
alpha-BHC	319-84-6	<0.00002 U	<0.00002 U	<0.00021 UJ	<0.00002 U	<0.00002 U	<0.00002 U	<0.00002 U
alpha-Chlordane	5103-71-9	<0.00002 U	<0.00003 U	<0.00021 UJ	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U
beta-BHC	319-85-7	<0.00002 U	<0.00004 U	<0.00021 UJ	<0.00004 U	<0.00002 U	<0.00002 U	<0.00002 U
delta-BHC	319-86-8	<0.00002 U	<0.00003 U	0.0002 J	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U
gamma-Chlordane	5103-74-2	<0.00002 U	<0.00003 U	<0.00021 UJ	<0.00003 U	<0.00002 U	<0.00002 U	<0.00002 U

**Table E-6. 2018 Groundwater Sample Analytical Results - Pesticides**

<b>Station</b>		<b>SCLmw-002</b>	<b>SCLmw-003</b>
<b>Sample Id</b>		<b>SCLmw-002-181001-GW</b>	<b>SCLmw-003-181001-GW</b>
<b>Date</b>		<b>11/01/18</b>	<b>11/02/18</b>
<b>Sample Type</b>		<b>GR</b>	<b>GR</b>
<b>Filter Status</b>		<b>Total</b>	<b>Total</b>
<b>Aquifer</b>		<b>Unconsolidated</b>	<b>Unconsolidated</b>
<b>Analyte (mg/L)</b>	<b>CAS Number</b>		
4,4'-DDD	72-54-8	<0.00002 U	<0.00002 U
4,4'-DDE	72-55-9	<0.00002 U	<0.00002 U
4,4'-DDT	50-29-3	<0.00005 U	<0.00005 U
Aldrin	309-00-2	<0.00002 U	<0.00002 U
Dieldrin	60-57-1	<0.00002 U	<0.00002 U
Endosulfan I	959-98-8	<0.00002 U	<0.00002 U
Endosulfan II	33213-65-9	<0.00002 U	<0.00002 U
Endosulfan sulfate	1031-07-8	<0.00002 U	<0.00002 U
Endrin	72-20-8	<0.00002 U	<0.00002 U
Endrin aldehyde	7421-93-4	<0.00002 U	<0.00002 U
Endrin ketone	53494-70-5	<0.00002 U	<0.00002 U
Heptachlor	76-44-8	<0.00002 U	<0.00002 U
Heptachlor epoxide	1024-57-3	<0.00002 U	<0.00002 U
Lindane	58-89-9	<0.00002 U	<0.00002 U
Methoxychlor	72-43-5	<0.00005 U	<0.00005 U
Toxaphene	8001-35-2	<0.00082 UJ	<0.00087 U
alpha-BHC	319-84-6	<0.00002 U	<0.00002 U
alpha-Chlordane	5103-71-9	<0.00002 U	<0.00002 U
beta-BHC	319-85-7	<0.00002 U	<0.00002 U
delta-BHC	319-86-8	<0.00002 U	<0.00002 U
gamma-Chlordane	5103-74-2	<0.00002 U	<0.00002 U

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		CBLmw-001	CBLmw-001	CBLmw-001	CBLmw-001	CBLmw-002	CBLmw-002	CBLmw-003
Sample Id		CBLmw-001-D-062018-GW	CBLmw-001-062018-GW	CBLmw-001-D-062618-GW	CBLmw-001-062618-GW	CBLmw-002-062018-GW	CBLmw-002-062618-GW	CBLmw-003-062118-GW
Date		06/20/18	06/20/18	06/26/18	06/26/18	06/20/18	06/26/18	06/21/18
Sample Type		FD	GR	FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	0.062 J	0.062 J	NA	NA	1.2	NA	0.91 J
Nitrite	14797-65-0	<0.1 UJ	<0.1 UJ	NA	NA	<0.1 UJ	NA	<0.1 UJ
Sulfate	14808-79-8	12	12	NA	NA	25	NA	30
Sulfide	18496-25-8	<1.9 U	<1.9 U	NA	NA	<1.9 U	NA	<1.9 U
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	<0.02 U	<0.02 U	NA	NA	<0.02 U	NA	<0.02 U
Cyanide	57-12-5	NA	NA	<0.0054 U	<0.0024 U	NA	<0.0037 U	0.0037 J
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	5.6	5.6	NA	NA	5.5	NA	6.1

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		CBLmw-004	CBPmw-008	CBPmw-008	CBPmw-009	CBPmw-009	DA2mw-115	DA2mw-115
Sample Id		CBLmw-004-062118-GW	CBPmw-008-062818-GW	CBPmw-008-181001-GW	CBPmw-009-062818-GW	CBPmw-009-181001-GW	DA2mw-115-062618-GW	DA2mw-115-181002-GW
Date		06/21/18	06/28/18	10/26/18	06/28/18	10/26/18	06/26/18	10/24/18
Sample Type		GR	GR	GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	0.37 J	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	<0.1 UJ	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	15	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	<1.9 U	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	<0.02 U	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	<0.005 U	0.0045 J	<0.005 U	0.0046 J	0.0022 J	<0.005 U	<0.005 U
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	6	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		DA2mw-115	DET-3	DET-3	DET-3	DET-4	EBGmw-125
Sample Id		DA2mw-115-181001-GW	DETmw-003-D-062618-GW	DETmw-003-062618-GW	DET-003-181001-GW	DET-004-181001-GW	EBGmw-125-062818-GW
Date		10/24/18	06/26/18	06/26/18	10/24/18	10/24/18	06/28/18
Sample Type		GR	FD	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number						
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	<0.005 U	<0.005 U	<0.005 U	<0.005 U	<0.005 U	0.02
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		EBGmw-125	EBGmw-131	EBGmw-131	FBQmw-171	FBQmw-171	FBQmw-171	FBQmw-172
Sample Id		EBGmw-125-181001-GW	EBGmw-131-062818-GW	EBGmw-131-181001-GW	FBQmw-171-D-062518-GW	FBQmw-171-062518-GW	FBQmw-171-181001-GW	FBQmw-172-062518-GW
Date		10/19/18	06/28/18	10/19/18	06/25/18	06/25/18	10/30/18	06/25/18
Sample Type		GR	GR	GR	FD	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	0.38 J	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	<0.1 U	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	26	NA
Sulfide	18496-25-8	NA	NA	NA	0.8 J	0.8 J	<1.9 U	NA
Alkalinity	N33	NA	NA	NA	37	38	38	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	<0.02 U	<0.02 U	<0.003 U	NA
Cyanide	57-12-5	<0.005 U	0.004 J	<0.005 U	0.0032 J	0.0035 J	<0.005 U	0.0023 J
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		FBQmw-172	FBQmw-174	FBQmw-175	FBQmw-175	FBQmw-176	FBQmw-176	FWGmw-010
Sample Id		FBQmw-172-181001-GW	FBQmw-174-062518-GW	FBQmw-175-062518-GW	FBQmw-175-181001-GW	FBQmw-176-062518-GW	FBQmw-176-181001-GW	FWGmw-010-062618-GW
Date		10/30/18	06/25/18	06/25/18	10/31/18	06/25/18	10/30/18	06/26/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Homewood Sandstone	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	<1.4 U	<2 U	NA	NA	NA	NA
Nitrate	14797-55-8	NA	0.56 J	2.7 J	2.2	NA	NA	NA
Nitrite	14797-65-0	NA	<0.1 UJ	<0.1 UJ	<0.1 U	NA	NA	NA
Sulfate	14808-79-8	NA	12	17	26	NA	NA	NA
Sulfide	18496-25-8	NA	<1.9 U	0.8 J	<1.9 U	NA	NA	NA
Alkalinity	N33	NA	5.5	<4.9 U	7.1	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	<0.02 U	<0.02 U	0.0044 J	NA	NA	NA
Cyanide	57-12-5	<0.005 U	NA	NA	NA	<0.0061 U	0.025	<0.0026 U
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		FWGmw-010	FWGmw-013	FWGmw-013	FWGmw-017	FWGmw-018	FWGmw-018	FWGmw-019
Sample Id		FWGMW-010-181001-GW	FWGmw-013-062618-GW	FWGmw-013-181001-GW	FWGmw-017-062118-GW	FWGmw-018-062118-GW	FWGmw-018-181001-GW	FWGmw-019-062618-GW
Date		10/22/18	06/26/18	10/24/18	06/21/18	06/21/18	10/26/18	06/26/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Upper Sharon	Upper Sharon	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate	Basal Sharon Conglomerate
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	<0.02 U	<0.02 U	NA	<0.02 U
Cyanide	57-12-5	<0.005 U	<0.0034 U	<0.005 U	NA	0.0097 J	<0.005 U	<0.0039 U
Perchlorate	14797-73-0	NA	NA	NA	<0.00001 U	<0.00001 U	NA	<0.00001 U
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA



Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		FWGmw-019	FWGmw-019	FWGmw-020	FWGmw-020	FWGmw-021	FWGmw-021	FWGmw-021
Sample Id		FWGmw-019-181002-GW	FWGmw-019-181001-GW	FWGmw-020-062118-GW	FWGmw-020-181001-GW	FWGmw-021-062118-GW	FWGmw-021-181002-GW	FWGmw-021-181001-GW
Date		10/29/18	10/29/18	06/21/18	10/26/18	06/21/18	10/25/18	10/25/18
Sample Type		FD	GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Basal Sharon Conglomerate	Basal Sharon Conglomerate	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	0.19 J	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	<0.02 U	<0.003 U	<0.02 U	NA	NA
Cyanide	57-12-5	<0.005 U	<0.005 U	0.0035 J	<0.005 U	0.0033 J	<0.005 U	<0.005 U
Perchlorate	14797-73-0	NA	NA	<0.00001 U	NA	0.00005	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		FWGmw-022	FWGmw-022	FWGmw-023	FWGmw-023	FWGmw-024	FWGmw-024	L12mw-183
Sample Id		FWGmw-022-062618-GW	FWGmw-022-181001-GW	FWGmw-023-062618-GW	FWGmw-023-181001-GW	FWGmw-024-062118-GW	FWGmw-024-181001-GW	LL12mw-183-062718-GW
Date		06/26/18	10/29/18	06/26/18	10/30/18	06/21/18	10/25/18	06/27/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	<0.02 U	NA	<0.02 U	NA	<0.02 U	<0.003 U	NA
Cyanide	57-12-5	<0.0056 U	<0.005 U	<0.0032 U	<0.005 U	NA	NA	0.0048 J
Perchlorate	14797-73-0	<0.00001 U	NA	0.00003 J	NA	<0.00001 U	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		L12mw-183	L12mw-185	L12mw-185	L12mw-187	L12mw-187	L12mw-242
Sample Id		LL12mw-183-181001-GW	LL12mw-185-062718-GW	LL12mw-185-181001-GW	LL12mw-187-062718-GW	LL12mw-187-181001-GW	LL12mw-242-D-062718-G
Date		10/31/18	06/27/18	10/29/18	06/27/18	10/31/18	06/27/18
Sample Type		GR	GR	GR	GR	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number						
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	87	100	1400	1500	0.053 J
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	<0.005 U	<0.0044 U	<0.005 U	NA	NA	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		L12mw-242	L12mw-242	L12mw-245	L12mw-245	L12mw-247	L12mw-247
Sample Id		LL12mw-242-062718-GW	LL12mw-242-181001-GW	LL12mw-245-062718-GW	LL12mw-245-181001-GW	LL12mw-247-D-062618-G	LL12mw-247-062618-GW
Date		06/27/18	10/29/18	06/27/18	10/31/18	06/26/18	06/26/18
Sample Type		GR	GR	GR	GR	FD	GR
Filter Status		Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number						
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	0.048 J	<0.1 UJ	<0.1 U	<0.2 U	<0.1 U	<0.1 U
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	NA	<0.02 U	<0.02 U
Cyanide	57-12-5	NA	NA	NA	NA	<0.003 U	<0.0021 U
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		L12mw-247	L12mw-247	LL11mw-005	LL11mw-005	LL1mw-081	LL1mw-081	LL1mw-083
Sample Id		LL12mw-247-181002-GW	LL12mw-247-181001-GW	LL11mw-005-062518-GW	LL11mw-005-181001-GW	LL1mw-081-062718-GW	LL1mw-081-181001-GW	LL1mw-083-062718-GW
Date		10/29/18	10/29/18	06/25/18	10/30/18	06/27/18	10/25/18	06/27/18
Sample Type		FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	3.4
Nitrate	14797-55-8	NA	<0.1 U	NA	NA	NA	NA	0.31 J
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	<0.1 UJ
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	150
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	<1.9 U
Alkalinity	N33	NA	NA	NA	NA	NA	NA	<3.2 U
Chromium, hexavalent	18540-29-9	<0.003 U	<0.003 U	NA	NA	NA	NA	<0.02 U
Cyanide	57-12-5	<0.005 U	<0.005 U	0.0021 J	<0.005 U	<0.0053 U	0.0027 J	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		LL1mw-083	LL1mw-084	LL1mw-084	LL1mw-086	LL1mw-086	LL1mw-088	LL1mw-088
Sample Id		LL1mw-083-181001-GW	LL1mw-084-062718-GW	LL1mw-084-181001-GW	LL1mw-086-062718-GW	LL1MW-086-181001-GW	LL1mw-088-062118-GW	LL1mw-088-181001-GW
Date		10/24/18	06/27/18	10/24/18	06/28/18	10/22/18	06/21/18	10/22/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	<1.3 U	NA	NA	NA	NA	NA
Nitrate	14797-55-8	0.29 J	0.31 J	0.31 J	NA	NA	NA	NA
Nitrite	14797-65-0	<0.1 U	<0.1 UJ	<0.1 U	NA	NA	NA	NA
Sulfate	14808-79-8	160 J	130	130	NA	NA	NA	NA
Sulfide	18496-25-8	<1.9 U	<1.9 U	<1.9 U	NA	NA	NA	NA
Alkalinity	N33	<5 U	14	17	130	150	290	280
Chromium, hexavalent	18540-29-9	<0.003 U	<0.02 U	<0.003 U	NA	NA	NA	NA
Cyanide	57-12-5	NA	<0.0038 U	<0.005 U	0.0043 J	NA	NA	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		LL1mw-089	LL1mw-089	LL1mw-089	LL2mw-264	LL2mw-264	LL2mw-272	LL2mw-272
Sample Id		LL1mw-089-D-062718-GW	LL1mw-089-062718-GW	LL1mw-089-181001-GW	LL2mw-264-062718-GW	LL2mw-264-181001-GW	LL2mw-272-062718-GW	LL2mw-272-181001-GW
Date		06/27/18	06/27/18	10/26/18	06/27/18	10/26/18	06/27/18	10/25/18
Sample Type		FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	<0.02 U	<0.02 U	NA	NA	NA	<0.02 U	NA
Cyanide	57-12-5	<0.0028 U	<0.0026 U	<0.005 U	0.0033 J	<0.005 U	0.0033 J	<0.005 U
Perchlorate	14797-73-0	9.4E-6 J	8.1E-6 J	NA	NA	NA	5.5E-6 J	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		LL3mw-234	LL3mw-234	LL3mw-244	LL3mw-244	LL3mw-246	LL3mw-246	LL3mw-246
Sample Id		LL3mw-234-062618-GW	LL3mw-234-181001-GW	LL3mw-244-062618-GW	LL3mw-244-181001-GW	LL3mw-246-D-062118-GW	LL3mw-246-062118-GW	LL3mw-246-181001-GW
Date		06/26/18	10/26/18	06/26/18	10/26/18	06/21/18	06/21/18	10/25/18
Sample Type		GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	<0.02 U	<0.003 U	NA	NA	NA
Cyanide	57-12-5	<0.0037 U	0.0023 J	NA	NA	NA	NA	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	0.00008	0.00007	0.00003 J
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA



Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		LL4mw-193	LL4mw-193	LL4mw-200	LL4mw-200	LL7mw-001	LL7mw-001	NTAmw-117
Sample Id		LL4mw-193-062618-GW	LL4mw-193-181001-GW	LL4mw-200-062718-GW	LL4mw-200-181001-GW	LL7mw-001-062518-GW	LL7mw-001-181001-GW	NTAmw-117-062518-GW
Date		06/26/18	10/31/18	06/27/18	10/26/18	06/25/18	10/30/18	06/25/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated	Homewood Sandstone	Homewood Sandstone	Unconsolidated
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	NA	NA	NA	NA
Cyanide	57-12-5	<0.0028 U	<0.005 U	0.0063 J	<0.005 U	0.0038 J	<0.005 U	<0.0027 U
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		NTAmw-117	NTAmw-118	NTAmw-118	NTAmw-120	NTAmw-120	RQLmw-007
Sample Id		NTAmw-117-181001-GW	NTAmw-118-062518-GW	NTAmw-118-181001-GW	NTAmw-120-D-062618-GW	NTAmw-120-062618-GW	RQLmw-007-D-062818-GW
Date		10/30/18	06/25/18	10/30/18	06/26/18	06/26/18	06/28/18
Sample Type		GR	GR	GR	FD	GR	FD
Filter Status		Total	Total	Total	Total	Total	Total
Aquifer		Unconsolidated	Unconsolidated	Unconsolidated	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number						
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA
Alkalinity	N33	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	18540-29-9	NA	NA	NA	<0.02 U	<0.02 U	NA
Cyanide	57-12-5	<0.005 U	<0.0039 U	<0.005 U	NA	NA	0.0059 J
Perchlorate	14797-73-0	NA	NA	NA	<0.00001 U	<0.00001 U	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		RQLmw-007	RQLmw-007	RQLmw-008	RQLmw-008	RQLmw-009	RQLmw-009	RQLmw-011
Sample Id		RQLmw-007-062818-GW	RQLmw-007-181001-GW	RQLmw-008-062818-GW	RQLmw-008-181001-GW	RQLmw-009-062818-GW	RQLmw-009-181001-GW	RQLmw-011-062818-GW
Date		06/28/18	10/22/18	06/28/18	10/22/18	06/28/18	10/19/18	06/28/18
Sample Type		GR	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	1.1 J
Nitrate	14797-55-8	NA	NA	NA	NA	NA	NA	<0.1 UJ
Nitrite	14797-65-0	NA	NA	NA	NA	NA	NA	<0.1 UJ
Sulfate	14808-79-8	NA	NA	NA	NA	NA	NA	160
Sulfide	18496-25-8	NA	NA	NA	NA	NA	NA	<1.9 U
Alkalinity	N33	NA	NA	NA	NA	NA	NA	38
Chromium, hexavalent	18540-29-9	NA	NA	NA	NA	NA	NA	<0.02 U
Cyanide	57-12-5	0.005 J	0.0046 J	0.0032 J	<0.005 U	0.0032 J	<0.005 U	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	0.021 J	0.056 J	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		RQLmw-011	RQLmw-011	RQLmw-012	RQLmw-012	RQLmw-013	RQLmw-013	RQLmw-014
Sample Id		RQLMW-011-181002-GW	RQLMW-011-181001-GW	RQLmw-012-062818-GW	RQLmw-012-181001-GW	RQLmw-013-062818-GW	RQLmw-013-181001-GW	RQLmw-014-062818-GW
Date		10/18/18	10/18/18	06/28/18	10/19/18	06/28/18	10/18/18	06/28/18
Sample Type		FD	GR	GR	GR	GR	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon	Upper Sharon
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	1.2 J	NA	4.9	NA	5
Nitrate	14797-55-8	0.049 J	<0.1 U	1.2 J	0.9 J	<0.1 UJ	<0.1 UJ	<0.1 UJ
Nitrite	14797-65-0	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ
Sulfate	14808-79-8	96 J	100 J	190	100	170	150	51
Sulfide	18496-25-8	<1.9 UJ	<1.9 UJ	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U
Alkalinity	N33	120	120	32	6.7	<3.2 U	<5 U	35
Chromium, hexavalent	18540-29-9	<0.01 UJ	<0.01 UJ	<0.02 U	<0.003 U	<0.02 U	<0.003 U	<0.02 U
Cyanide	57-12-5	NA	NA	0.0023 J	0.0054 J	NA	NA	NA
Perchlorate	14797-73-0	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as P	7723-14-0	NA	NA	NA	NA	NA	NA	NA
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

Table E-7. 2018 Groundwater Sample Analytical Results - Miscellaneous

Station		RQLmw-014	RQLmw-016	RQLmw-016	SCLmw-001	SCLmw-002	SCLmw-002	SCLmw-003
Sample Id		RQLmw-014-181001-GW	RQLmw-016-062818-GW	RQLmw-016-181001-GW	SCLmw-001-181001-GW	SCLmw-002-181002-GW	SCLmw-002-181001-GW	SCLmw-003-181001-GW
Date		10/18/18	06/28/18	10/19/18	11/02/18	11/01/18	11/01/18	11/02/18
Sample Type		GR	GR	GR	GR	FD	GR	GR
Filter Status		Total	Total	Total	Total	Total	Total	Total
Aquifer		Upper Sharon	Upper Sharon	Upper Sharon	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Analyte (mg/L)	CAS Number							
Chloride	16887-00-6	NA	NA	NA	NA	NA	NA	NA
Nitrate	14797-55-8	<0.1 UJ	NA	NA	0.13 J	<0.1 U	<0.1 U	<0.1 U
Nitrite	14797-65-0	<0.1 UJ	NA	NA	<0.1 U	<0.1 U	<0.1 U	<0.1 U
Sulfate	14808-79-8	120	NA	NA	230	150	150	190
Sulfide	18496-25-8	<1.9 U	NA	NA	<1.9 U	<1.9 U	<1.9 U	<1.9 U
Alkalinity	N33	79	NA	NA	370	410	390	340
Chromium, hexavalent	18540-29-9	<0.003 U	NA	NA	<0.003 U	<0.003 U	0.0044 J	<0.003 U
Cyanide	57-12-5	NA	0.0025 J	0.003 J	0.0093 J	<0.005 U	<0.005 U	0.006 J
Perchlorate	14797-73-0	NA	NA	NA	0.00002 J	<0.00001 U	5.8E-6 J	<0.00001 U
Total Phosphorus as P	7723-14-0	NA	NA	NA	<0.05 U	0.1 J	0.11 J	<0.05 U
pH (units)	N704	NA	NA	NA	NA	NA	NA	NA

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