



Groundwater Data

Analyte	GW std	GW-1A									GW-1B								
		6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/17/2015	9/18/2019	6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/17/2015	9/18/2019
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.03		0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05
Aluminum, total	N/A	4.22	1.04	2.73	0.54	0.06		0.08	0.21		0.42	0.24	1.06	0.07	0.07	0.08	0.07	0.1	
Antimony, dissolved	Report	0.0027	0.0013	0.0008	0.0009	0.0009		0.0017	0.001	0.0009	0.0009	0.0011	0.0008	0.0008	0.0009	0.0011	0.0013	0.001	0.0009
Arsenic, dissolved	0.1	0.0027	0.0012	0.001	0.0007	0.0006		0.0008	0.001	0.0005	0.0007	0.0005	0.0006	0.0004	0.0004	0.0006	0.0006	0.0006	0.0004
Arsenic, total recoverable	N/A		0.0062	0.0156	0.0054	0.0009		0.0014	0.0023			0.001	0.0032	0.0006	0.0007	0.0009	0.0007	0.0009	
Barium, dissolved	Report	0.049	0.035	0.046	0.056	0.042		0.041	0.039	0.038	0.05	0.039	0.047	0.059	0.047	0.043	0.046	0.043	0.039
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005		0.00005	0.00005	0.00008	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00008
Bicarbonate as CaCO3	Report	45	24.3	34.9	38.2	39.6	38.9	45	39.3	33.3	30	27	35.4	37.4	41.2	41.4	44.1	40.6	29.7
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Cadmium, dissolved	0.001	0.001	0.001	0.0002	0.0002	0.0001		0.0002	0.0002	0.00017	0.001	0.001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.00012
Cadmium, total	N/A		0.001	0.0003	0.0002	0.0001		0.0002	0.0002			0.001	0.0002	0.0005	0.0001	0.0002	0.0001	0.0001	
Calcium, dissolved	Report	40.7	17.1	29.2	37.2	26.9		27.1	25	23	35.9	18.8	28.2	36.6	27.3	25.5	26.7	25.2	22.2
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	Report	4.2	-4.3	0	0	3	0	0	-3.2	-3.4	2.3	0	-2.9	0	0	0	0	-3.2	-7.1
Chloride	250	1.2	0.5	0.5	0.6	0.5	0.8	0.9	0.5	0.5	1.6	0.5	0.5	0.6	0.5	1	0.8	0.5	0.5
Chromium, dissolved	0.1	0.0005	0.0007	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	0.0008	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005	0.005	0.005	0.005		0.005	0.005			0.005	0.005	0.005	0.005	0.005	0.005	0.005	
Conductivity @25C	Report	260	121	199	239	175	164	170	168	152	38	123	191	235	178	161	171	168	150
Copper, dissolved	0.009	0.0017	0.0016	0.0013	0.0005	0.0014		0.001	0.001	0.0008	0.0028	0.0006	0.0012	0.0005	0.001	0.0007	0.0007	0.001	0.0008
Copper, total	N/A		0.01	0.02	0.01	0.01		0.01	0.01			0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
Dissolved Chromium, Hexavalent	N/A		0.005	0.005	0.005	0.007	0.005	0.005	0.006			0.005	0.005	0.005	0.007	0.005	0.005	0.006	
Fluoride	2	0.23	0.24	0.17	0.17	0.19	0.15	0.19	0.17	0.2	0.27	0.23	0.16	0.15	0.17	0.16	0.18	0.16	0.2
Hardness as CaCO3	Report	112	49	84	107	78	74	78	72	64	98	54	81	105	79	73	77	72	62
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	1	0.07	0.02	0.02	0.02	0.02		0.02	0.03	0.03	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.07	0.03
Iron, total	N/A	3.24	1.28	3.4	0.66	0.04		0.1	0.24		0.99	0.28	1.39	0.07	0.06	0.08	0.05	0.1	
Iron, total recoverable	N/A		1.1	3.77	0.91	0.04		0.09	0.23			0.21	1.4	0.08	0.06	0.03	0.15		
Lead, dissolved	0.044	0.0171	0.0011	0.0017	0.0003	0.0009		0.0004	0.0005	0.0001	0.0057	0.0003	0.0016	0.0001	0.0021	0.0004	0.0006	0.0011	0.0001
Lead, total	N/A		0.017	0.0497	0.0153	0.0024		0.0035	0.0052			0.0037	0.0124	0.0015	0.0016	0.0162	0.0037	0.0022	
Magnesium, dissolved	Report	2.4	1.6	2.6	3.5	2.5		2.4	2.3	1.7	2.1	1.7	2.6	3.4	2.5	2.3	2.4	2.3	1.7
Manganese, dissolved	1.672	0.054	0.005	0.005	0.005	0.005		0.005	0.005	0.01	0.027	0.009	0.005	0.005	0.005	0.005	0.005	0.005	0.01
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002	0.0002	0.0002	0.0002		0.0002	0.0002			0.0002	0.0002	0.001	0.0002	0.0002	0.0002	0.0002	
Molybdenum, dissolved	Report	0.0174	0.0009	0.0011	0.0013	0.0014		0.0012	0.0009	0.0008	0.004	0.0012	0.0008	0.0011	0.0013	0.0012	0.0011	0.001	0.0009
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008		0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	1.63	0.06	0.08	0.08	0.12	0.11	0.1	0.06	0.02	1.09	0.07	0.09	0.08	0.11	0.1	0.12	0.1	0.02
Oil and Grease	N/A		2.02	2	2	2	2	2	2.1			2.02	2	2	2	2	2	2	
pH	6-9	8.2	7.4	7.7	7.7	7.7	7.5	7.5	7.9	7.7	8	7.5	7.7	7.7	7.7	7.6	7.5	8	7.7
pH measured at	Report	20	20	19.5	21.6	20.8	20.6	18.9	20.3	21.3	20	21	19.5	21.1	20.8	20.5	18.9	20.3	21.2
Phosphorus, ortho dissolved	Report	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
Potassium, dissolved	Report	1.2	0.5	0.6	0.6	0.6		0.6	0.5	0.5	1.3	0.5	0.6	0.6	0.5	0.6	0.5	0.4	
Residue, Filterable (TDS)	400	170	70	122	154	94	104	156	94	88	150	70	108	152	96	98	114	90	88
Residue, Non-Filterable (TSS)	Report	19	102	50	16	5	5	5	7	5	9	8	7	5	5	5	13	5	
Selenium, dissolved	0.005	0.0005	0.0002	0.0003	0.0004	0.0003		0.0004	0.0004	0.0002	0.0005	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002
Silica, dissolved	Report	6.6	4.1	4.1	4.4	4.4		4.9	4.6	4.4	5.6	4.4	4.3	4.5	4.4	4.7	4.8	4.5	4.5
Silver, dissolved	0.0001	0.00008	0.00005	0.00006	0.00005	0.00005		0.00005	0.00007	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001
Sodium, dissolved	Report	4.6	1.3	2	2.7	2.2		1.9	1.5	1.7	4.6	1.4	1.9	2.6	2.2	2	1.9	1.6	1.6
Sulfate	250	62.5	30.8	53.9	71.6	38.4	37.9	36.4	36.8	36.9	68.7	29.7	49.7	67	39.1	36.6	32.9	38.1	41.4
Sum of Anions	Report	2.3	1.2	1.8	2.3	1.6	1.6	1.7	1.6	1.5	2.1	1.2	1.8	2.2	1.7	1.6	1.6	1.6	1.5
Sum of Cations	Report	2.5	1.1	1.8	2.3	1.7	1.6	1.7	1.5	1.4	2.2	1.2	1.7	2.2	1.7	1.6	1.5	1.3	
TDS (calculated)	Report	149	71.6	115	145	101	99.2	103	96.3	90	140	74.4	110	140	103	99.3	98.5	98.5	91.4
TDS (ratio - measured/calculated)	Report	1.14	0.98	1.06	1.06	0.93	1.05	1.51	0.98	0.98	1.07	0.94	0.98	1.09	0.93	0.99	1.16	0.91	0.96
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	45	24.3	34.9	38.2	39.6	38.9	45	39.3	33.3	30	27	35.4	37.4	41.2	41.4	44.1	40.6	29.7
Uranium, dissolved	Report	0.0002	0.0001	0.0003	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.04	0.05	0.08	0.08	0.06		0.06	0.16	0.1	0.06	0.05	0.08	0.08	0.05	0.06	0.06	0.08	0.06
Zinc, total	N/A		0.07	0.12	0.08	0.06	0.06	0.07	0.08			0.05	0.1	0.08	0.05	0.06	0.07	0.07	

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-2A										
		6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/16/2015	9/16/2015	12/10/2015	3/10/2016
Aluminum, dissolved	5	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
Aluminum, total	N/A	0.94	5.12	3.38	0.09	0.03	0.57	0.18	0.69	0.03	0.05	0.03
Antimony, dissolved	Report	0.0022	0.0013	0.001	0.0008	0.0008	0.001	0.0011	0.0011	0.0009	0.0012	0.0008
Arsenic, dissolved	0.1	0.0011	0.0005	0.0005	0.0003	0.0002	0.0004	0.0003	0.0003	0.0003	0.0003	0.0002
Arsenic, total recoverable	N/A		0.031	0.0125	0.0006	0.0003	0.0025	0.001	0.0027	0.0004	0.0006	0.0004
Barium, dissolved	Report	0.05	0.051	0.053	0.054	0.057	0.056	0.058	0.042	0.042	0.039	0.047
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	26	27.3	26.9	26.4	27	27.8	28.9	26.2	25.4	26.8	37.7
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.001	0.001	0.0007	0.001	0.0005	0.0007	0.0008	0.0006	0.0006	0.0006	0.0005
Cadmium, total	N/A		0.0014	0.001	0.0006	0.0007	0.0008	0.0008	0.0006	0.0006	0.0006	0.0006
Calcium, dissolved	Report	29	25.6	28.2	32.2	33.2	33.8	37	25.5	25	24.6	30.8
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	Report	2.9	-3	0	2.6	0	0	-2.2	0	3.2	-3.2	-7.3
Chloride	250	0.8	0.5	0.8	0.5	0.5	0.8	0.8	0.5	0.6	0.9	0.5
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Conductivity @25C	Report	197	170	187	209	215	215	232	181	169	172	239
Copper, dissolved	0.009	0.0043	0.0014	0.0008	0.0005	0.0008	0.001	0.0006	0.0008	0.0005	0.0005	0.0005
Copper, total	N/A		0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent	N/A		0.005	0.005	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.005
Fluoride	2	0.35	0.28	0.25	0.19	0.21	0.21	0.21	0.24	0.23	0.2	0.26
Hardness as CaCO3	Report	84	73	80	92	94	95	105	73	71	69.7	88
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	1	0.1	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.04	0.02
Iron, total	N/A	1.41	9.45	4.34	0.08	0.02	0.61	0.2	0.72	0.02	0.08	0.02
Iron, total recoverable	N/A		9.2	4.32	0.1	0.02	0.57	0.19	0.68	0.02	0.08	0.03
Lead, dissolved	0.044	0.0348	0.0031	0.0037	0.0007	0.003	0.001	0.0009	0.0023	0.0007	0.0003	0.0004
Lead, total	N/A		0.4143	0.12	0.0028	0.0006	0.0193	0.0082	0.0223	0.0011	0.0019	0.0011
Magnesium, dissolved	Report	2.7	2.3	2.3	2.7	2.7	2.6	3	2.3	2.1	2	2.6
Manganese, dissolved	1.672	0.038	0.02	0.007	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002
Molybdenum, dissolved	Report	0.0024	0.0016	0.001	0.0008	0.001	0.0009	0.0008	0.0009	0.0009	0.001	0.001
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.44	0.13	0.13	0.11	0.25	0.44	0.62	0.22	0.14	0.15	0.21
Oil and Grease	N/A		2.02	2	2	2	2	2	2	3.2	2.8	2
pH	6-9	7.6	7.4	7.3	7.3	7.3	7.1	7.1	7.7	7.5	7.6	7.8
pH measured at	Report	20	21	19.6	21.1	20.3	20.1	18.4	19.7	19.3	22.2	23.2
Phosphorus, ortho dissolved	Report	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Potassium, dissolved	Report	0.8	0.7	0.6	0.7	0.7	0.6	0.6	0.6	1.4	0.6	0.7
Residue, Filterable (TDS)	400	120	100	116	134	124	136	150	108	98	94	124
Residue, Non-Filterable (TSS)	Report	30	177	57	5	5	8	5	5	5	5	5
Selenium, dissolved	0.005	0.0002	0.0001	0.0003	0.0003	0.0005	0.0005	0.0004	0.0002	0.0002	0.0005	0.0004
Silica, dissolved	Report	5.3	5.2	6.4	5.4	4.9	5.3	5.7	5.2	5.9	5.2	4.5
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.00005	0.00015	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Sodium, dissolved	Report	2.5	1.8	1.7	1.8	1.9	1.9	2	1.7	1.7	1.7	2.1
Sulfate	250	55.2	55	53.8	64.3	67.7	66.8	78.8	52.6	46.3	47.1	66.1
Sum of Anions	Report	1.7	1.7	1.7	1.9	2	2	2.3	1.6	1.5	1.6	2.2
Sum of Cations	Report	1.8	1.6	1.7	2	2	2	2.2	1.6	1.6	1.5	1.9
TDS (calculated)	Report	115	109	113	125	130	131	148	106	101	101	132
TDS (ratio - measured/calculated)	Report	1.04	0.92	1.03	1.07	0.95	1.04	1.01	1.02	0.97	0.93	0.94
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	26	27.3	26.9	26.4	27	27.8	28.9	26.2	25.4	26.8	37.7
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.43	0.37	0.52	0.57	0.6	0.58	0.66	0.45	0.5	0.45	0.47
Zinc, total	N/A		0.72	0.65	0.56	0.59	0.61	0.68	0.51	0.49	0.48	0.51

Notes:

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All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-2A													
		6/15/2016	8/24/2016	11/10/2016	6/13/2017	9/27/2017	11/9/2017	3/14/2018	5/9/2018	7/25/2018	12/11/2018	1/29/2019	6/25/2019	9/16/2019	11/12/2019
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.05	0.05	0.05
Aluminum, total	N/A	0.09	0.44	0.03											
Antimony, dissolved	Report	0.0011	0.0016	0.0012	0.0011	0.0009	0.0009	0.001	0.0008	0.0013	0.001	0.0009	0.0011	0.001	0.0008
Arsenic, dissolved	0.1	0.0003	0.0005	0.0003	0.0002	0.0005	0.0003	0.0007	0.0002	0.0003	0.0002	0.0002	0.0002	0.0003	0.0002
Arsenic, total recoverable	N/A	0.0006	0.0015	0.0004											
Barium, dissolved	Report	0.039	0.057	0.045	0.04	0.044	0.046	0.062	0.053	0.049	0.045	0.053	0.042	0.045	0.046
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00008	0.00008	0.00008	0.00008
Bicarbonate as CaCO3	Report	25.3	30.2	24.3	25.7	24.7	25.4	28.7	29.2	27.5	31	28.7	37.6	29.3	35.3
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Cadmium, dissolved	0.001	0.0005	0.0007	0.0006	0.0005	0.0006	0.0005	0.0008	0.0007	0.0006	0.00053	0.00056	0.00045	0.00062	0.00054
Cadmium, total	N/A	0.0005	0.0008	0.0006											
Calcium, dissolved	Report	24.3	29.1	24.9	22.7	22.5	24	33	34.2	24.6	28.2	30.4	28.4	27	25.4
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	10	2	2
Cation-Anion Balance	Report	3.4	-2.7	0	0	0	0	0	-2.3	0	-2.9	-2.7	-2.9	0	-9.1
Chloride	250	0.5	0.8	2.1	0.7	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.7
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A	0.005	0.005	0.005											
Conductivity @25C	Report	175	210	177	160	156	159	233	223	177	185	209	184	181	173
Copper, dissolved	0.009	0.0007	0.0013	0.0005	0.0008	0.0008	0.0006	0.0037	0.0004	0.0008	0.0018	0.0008	0.0008	0.0008	0.0008
Copper, total	N/A	0.01	0.01	0.01											
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003											
Dissolved Chromium, Hexavalent	N/A	0.005	0.005	0.005											
Fluoride	2	0.25	0.22	0.28	0.29	0.21	0.18	0.2	0.09	0.22	0.28	0.21	0.2	0.2	0.2
Hardness as CaCO3	Report	69	82	70	65	64	67	93	97	69	80	86	80	76	71
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	10	2	2
Iron, dissolved	1	0.02	0.02	0.02	0.02	0.03	0.02	0.17	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Iron, total	N/A	0.1	0.32	0.02											
Iron, total recoverable	N/A	0.12	0.31	0.04											
Lead, dissolved	0.044	0.0012	0.0096	0.0004	0.0007	0.0022	0.0006	0.005	0.0006	0.0028	0.0004	0.0002	0.0003	0.0005	0.0001
Lead, total	N/A	0.0042	0.0197	0.0017											
Magnesium, dissolved	Report	1.9	2.3	1.8	1.9	1.8	1.8	2.5	2.7	1.9	2.3	2.4	2.1	2	1.9
Manganese, dissolved	1.672	0.005	0.009	0.005	0.005	0.005	0.005	0.012	0.005	0.005	0.005	0.005	0.01	0.01	0.01
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A	0.0002	0.0002	0.0002											
Molybdenum, dissolved	Report	0.0009	0.0014	0.0008	0.0009	0.0007	0.0007	0.001	0.0007	0.0008	0.0011	0.0011	0.001	0.0008	0.0025
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.21	0.13	0.16	0.18	0.13	0.15	0.16	0.35	0.14	0.19	0.16	0.22	0.11	0.06
Oil and Grease	N/A	2	2												
pH	6-9	7.7	7.6	7.5	7.3	7.3	7.6	7.6	7.5	7.4	7.6	7.6	7.7	7.4	7.4
pH measured at	Report	21.6	23.7	22.6	20.5	22.2	21.4	23.5	21	21	22.5	22.4		20.5	21.9
Phosphorus, ortho dissolved	Report	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
Potassium, dissolved	Report	0.4	1.3	0.4	0.5	0.5	0.4	0.5	0.7	0.4	0.5	0.4	0.3	0.7	0.4
Residue, Filterable (TDS)	400	106	134	88	82	88	100	150	144	104	126	146	114	110	114
Residue, Non-Filterable (TSS)	Report	5	5	5	5	5	5	338	5	5	5	5	5	5	5
Selenium, dissolved	0.005	0.0001	0.0002	0.0003	0.0002	0.0002	0.0003	0.0005	0.0004	0.0003	0.0003	0.0004	0.0004	0.0002	0.0003
Silica, dissolved	Report	4.7	5.6	5.8	4.9	6	5.9	4.6	5.1	5.4	5.1	4.6	5.1	5.6	5.9
Silver, dissolved	0.0001	0.00005	0.00007	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001	0.0001	0.0001	0.0001	0.0001
Sodium, dissolved	Report	1.5	3.2	3.5	1.5	1.6	1.6	2	2	2.2	2.1	2	2.5	2.1	1.7
Sulfate	250	42.9	62.1	49.3	39	42.4	42.3	65.8	74.3	45.8	53.5	64.5	50	49.6	52
Sum of Anions	Report	1.4	1.9	1.6	1.4	1.4	1.4	2	2.2	1.5	1.8	1.9	1.8	1.6	1.8
Sum of Cations	Report	1.5	1.8	1.6	1.4	1.4	1.4	2	2.1	1.5	1.7	1.8	1.7	1.6	1.5
TDS (calculated)	Report	93.5	125	105	88.9	92.2	93.7	129	139	99.2	113	124	114	107	112
TDS (ratio - measured/calculated)	Report	1.13	1.07	0.84	0.92	0.95	1.07	1.16	1.04	1.05	1.12	1.18	1	1.03	1.02
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	25.3	30.2	24.3	25.7	24.7	25.4	28.7	29.2	27.5	31	28.7	37.6	29.3	35.3
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.002
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.39	0.52	0.47	0.4	0.45	0.47	0.55	0.61	0.46	0.45	0.44	0.39	0.45	0.48
Zinc, total	N/A	0.42	0.55	0.5											

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-2B											
		6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/16/2015	9/16/2015	12/10/2015	3/10/2016	6/15/2016
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03
Aluminum, total	N/A	0.57	1.62	0.85	0.06	0.03	0.05	0.06	0.04	0.03	0.03	0.21	0.03
Antimony, dissolved	Report	0.0008	0.0007	0.0007	0.0007	0.0007	0.0008	0.0008	0.0009	0.0008	0.0009	0.0007	0.0008
Arsenic, dissolved	0.1	0.0002	0.0005	0.0006	0.0003	0.0004	0.0002	0.0003	0.0006	0.0003	0.0002	0.0002	0.0002
Arsenic, total recoverable	N/A		0.0067	0.0031	0.0005	0.0003	0.0004	0.0005	0.0006	0.0004	0.0002	0.0008	0.0003
Barium, dissolved	Report	0.07	0.067	0.057	0.062	0.063	0.062	0.06	0.062	0.048	0.045	0.057	0.061
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	31	35.2	30.7	28.8	28.2	29.1	29.8	31.1	28.6	28	32.2	30.7
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.001	0.001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002
Cadmium, total	N/A		0.001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0005	0.0005	0.0002
Calcium, dissolved	Report	38.9	34.7	27.8	31.2	31.9	31.1	31.4	31.9	24.6	24.4	29.5	34.3
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	Report	0	-12.5	0	2.7	0	2.7	0	-2.6	0	0	-5.3	-2.4
Chloride	250	0.7	0.5	0.5	0.5	0.5	0.9	0.7	0.5	0.6	0.8	0.5	0.5
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Conductivity @25C	Report	248	217	186	205	207	199	200	212	163	172	216	223
Copper, dissolved	0.009	0.0007	0.0008	0.0009	0.0005	0.0013	0.0009	0.0005	0.0009	0.0007	0.0005	0.0005	0.0005
Copper, total	N/A		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent	N/A		0.005	0.005	0.005	0.008	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Fluoride	2	0.27	0.27	0.24	0.19	0.19	0.21	0.21	0.2	0.22	0.18	0.23	0.25
Hardness as CaCO3	Report	109	98	79	89	91	88	89	91	71	69.6	84	97
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	1	0.02	0.04	0.04	0.02	0.02	0.02	0.02	0.06	0.02	0.02	0.02	0.02
Iron, total	N/A	0.73	2.4	1.09	0.05	0.02	0.06	0.06	0.06	0.02	0.02	0.18	0.04
Iron, total recoverable	N/A		2.39	1.1	0.06	0.02	0.04	0.04	0.05	0.02	0.02	0.21	0.1
Lead, dissolved	0.044	0.0004	0.001	0.0015	0.0003	0.0001	0.0003	0.0007	0.0003	0.0003	0.0001	0.0001	0.0003
Lead, total	N/A		0.0147	0.0071	0.002	0.0002	0.0011	0.0023	0.005	0.0007	0.0005	0.001	0.0003
Magnesium, dissolved	Report	3	2.8	2.3	2.7	2.7	2.6	2.6	2.8	2.2	2.1	2.6	2.7
Manganese, dissolved	1.672	0.008	0.048	0.005	0.005	0.005	0.005	0.005	0.007	0.005	0.005	0.005	0.005
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Molybdenum, dissolved	Report	0.0009	0.0011	0.0009	0.0006	0.0007	0.0007	0.0007	0.0007	0.0006	0.0007	0.0007	0.0008
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.29	0.15	0.11	0.12	0.15	0.16	0.18	0.23	0.12	0.15	0.21	0.28
Oil and Grease	N/A		2.02	2	2	2	2	2	2	2	2	2	2
pH	6-9	7.7	7.4	7.5	7.4	7.3	7.1	7.1	7.8	7.6	7.6	7.5	7.8
pH measured at	Report	20	21	19.5	21.4	20.5	19.6	18.3	19.8	19.2	22.1	22.7	23.2
Phosphorus, ortho dissolved	Report	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Potassium, dissolved	Report	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.7	0.5
Residue, Filterable (TDS)	400	160	130	112	126	120	120	190	124	92	94	120	146
Residue, Non-Filterable (TSS)	Report	5	13	12	5	5	5	5	5	5	5	5	5
Selenium, dissolved	0.005	0.0003	0.0002	0.0002	0.0003	0.0004	0.0005	0.0004	0.0003	0.0002	0.0003	0.0004	0.0002
Silica, dissolved	Report	5.7	6	6.2	5.7	5.2	5.3	5.4	5.6	6.1	5.5	4.8	5.5
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Sodium, dissolved	Report	2.5	2.2	1.8	2	1.8	1.9	1.8	1.8	1.6	1.6	1.8	1.9
Sulfate	250	76.3	95.8	49.1	59.8	63.4	57.2	61.8	66.5	43	43.3	62.8	68.7
Sum of Anions	Report	2.3	2.7	1.7	1.8	1.9	1.8	1.9	2	1.5	1.5	2	2.1
Sum of Cations	Report	2.3	2.1	1.7	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.8	2
TDS (calculated)	Report	149	166	109	122	125	119	124	130	98.4	97.3	124	134
TDS (ratio - measured/calculated)	Report	1.07	0.78	1.03	1.03	0.96	1.01	1.53	0.95	0.93	0.97	0.97	1.09
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	31	35.2	30.7	28.8	28.2	29.1	29.8	31.1	28.6	28	32.2	30.7
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.31	0.26	0.27	0.3	0.31	0.3	0.31	0.33	0.26	0.24	0.28	0.31
Zinc, total	N/A		0.3	0.29	0.3	0.32	0.31	0.32	0.34	0.26	0.26	0.3	0.32

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-2B													
		8/24/2016	11/10/2016	6/13/2017	9/27/2017	11/9/2017	3/14/2018	5/9/2018	5/14/2018	7/25/2018	12/11/2018	1/29/2019	6/25/2019	9/16/2019	11/12/2019
Aluminum, dissolved	5	0.03	0.03	0.03	0.04	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05
Aluminum, total	N/A	0.06	0.03												
Antimony, dissolved	Report	0.001	0.001	0.0007	0.0007	0.0007	0.0036	0.0008	0.001	0.0008	0.0008	0.0011	0.001	0.001	0.0008
Arsenic, dissolved	0.1	0.0004	0.001	0.0002	0.0004	0.0002	0.0007	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0003
Arsenic, total recoverable	N/A	0.0005	0.0003												
Barium, dissolved	Report	0.054	0.052	0.062	0.048	0.049	0.053	0.065	0.063	0.057	0.051	0.058	0.065	0.051	0.049
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00008	0.00008	0.00008	0.00008
Bicarbonate as CaCO3	Report	30.1	27.9	28.9	27.8	28.9	31.1	34	30	32.2	42.7	34.2	43.2	33.9	30.1
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02
Cadmium, dissolved	0.001	0.0002	0.0002	0.0002	0.0002	0.0001	0.0003	0.0003	0.0003	0.0002	0.00021	0.00023	0.00024	0.00022	0.00016
Cadmium, total	N/A	0.0002	0.0002												
Calcium, dissolved	Report	28.2	25.3	30.7	22	25	23.7	32.9	36.5	26.3	27.2	28.1	35.3	26.9	23.7
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	10	2	2
Cation-Anion Balance	Report	3	0	0	-3.7	0	0	-4.8	10	-3	-5.6	-5.6	-2.3	0	-3.4
Chloride	250	0.5	0.5	0.7	0.5	0.5	0.9	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5
Chromium, dissolved	0.1	0.0005	0.003	0.0005	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A	0.005	0.005												
Conductivity @25C	Report	191	174	204	156	179	194	225	217	186	197	191	223	176	162
Copper, dissolved	0.009	0.0005	0.003	0.0004	0.0006	0.0004	0.0102	0.0006	0.0044	0.0004	0.0014	0.0008	0.0008	0.0008	0.0008
Copper, total	N/A	0.01	0.01												
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003												
Dissolved Chromium, Hexavalent	N/A	0.005	0.005												
Fluoride	2	0.21	0.28	0.24	0.2	0.18	0.21	0.08	0.17	0.2	0.33	0.22	0.2	0.2	0.2
Hardness as CaCO3	Report	80	71	87	62	71	67	93	103	74	77	80	99	76	67
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	10	2	2
Iron, dissolved	1	0.02	0.02	0.02	0.03	0.04	0.09	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03
Iron, total	N/A	0.08	0.05												
Iron, total recoverable	N/A	0.08	0.05												
Lead, dissolved	0.044	0.0001	0.0001	0.0001	0.0006	0.0004	0.022	0.0025	0.001	0.0006	0.0001	0.0002	0.0001	0.0006	0.0001
Lead, total	N/A	0.0006	0.0001												
Magnesium, dissolved	Report	2.3	1.8	2.6	1.8	2	1.8	2.7	2.8	2.1	2.3	2.3	2.6	2.1	1.9
Manganese, dissolved	1.672	0.005	0.005	0.005	0.005	0.005	0.047	0.005	0.005	0.005	0.005	0.005	0.01	0.01	0.01
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A	0.0002	0.0002												
Molybdenum, dissolved	Report	0.0008	0.0008	0.0006	0.0006	0.0006	0.001	0.0006	0.0007	0.0007	0.0007	0.0009	0.0009	0.0008	0.0012
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.12	0.16	0.21	0.12	0.14	0.15	0.17	0.21	0.13	0.17	0.2	0.25	0.1	0.07
Oil and Grease	N/A	2	2												
pH	6-9	7.7	7.6	7.3	7.4	7.7	7.6	7.7	7.6	7.5	8	7.8	7.7	7.4	7.5
pH measured at	Report	23.8	22.7	20.5	22.4	21.1	23.7	21.2	20.4	21.1	22.6	23.5		20.5	21.5
Phosphorus, ortho dissolved	Report	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
Potassium, dissolved	Report	0.5	0.3	0.6	0.5	0.6	1.6	0.9	0.8	0.4	0.8	0.7	0.7	0.7	0.5
Residue, Filterable (TDS)	400	116	102	120	92	98	118	152	146	104	136	130	142	108	108
Residue, Non-Filterable (TSS)	Report	5	5	5	5	5	16	5	5	5	5	5	5	5	5
Selenium, dissolved	0.005	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0004	0.0004	0.0003	0.0003	0.0004	0.0004	0.0002	0.0002
Silica, dissolved	Report	5.9	6.1	5.7	5.9	5.9	5.7	4.9	5.2	5.7	5.4	5	5.4	6.2	5.9
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001	0.0001	0.0001	0.0001	0.0001
Sodium, dissolved	Report	1.7	2.3	1.8	1.5	1.8	3.1	2.3	2.4	1.8	2.4	2.3	2.5	1.9	1.7
Sulfate	250	48.3	43.9	61.1	39.4	43.7	38.4	69.6	57	48.7	47.6	56	63.4	42.5	41.9
Sum of Anions	Report	1.6	1.5	1.9	1.4	1.5	1.5	2.2	1.8	1.7	1.9	1.9	2.2	1.6	1.5
Sum of Cations	Report	1.7	1.5	1.9	1.3	1.5	1.5	2	2.2	1.6	1.7	1.7	2.1	1.6	1.4
TDS (calculated)	Report	108	98.9	123	90.2	98.7	96.4	136	126	107	114	117	138	103	96
TDS (ratio - measured/calculated)	Report	1.07	1.03	0.98	1.02	0.99	1.22	1.12	1.16	0.97	1.19	1.11	1.03	1.05	1.13
Thallium, dissolved	Report	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	30.1	27.9	28.9	27.8	28.9	31.1	34	30	32.2	42.7	34.2	43.2	33.9	30.1
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.26	0.25	0.31	0.23	0.25	0.31	0.34	0.65	0.28	0.26	0.28	0.29	0.26	0.24
Zinc, total	N/A	0.27	0.26												

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-3A											
		6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/17/2015	9/16/2015	12/10/2015	3/10/2016	6/15/2016
Aluminum, dissolved	5	0.03	0.03	0.03	0.04	0.17	0.03	0.03	0.07	0.03	0.03	0.04	0.11
Aluminum, total	N/A	1.65	4.36	23.4	1.48	5.77	6.87	11.5	1.98	1.1	2.5	3.91	4.28
Antimony, dissolved	Report		0.0018	0.0017	0.0023	0.0024	0.0023	0.0032	0.0037	0.002	0.0017	0.0019	0.0024
Arsenic, dissolved	0.1		0.0008	0.0005	0.001	0.0032	0.0009	0.0007	0.0016	0.001	0.0005	0.0011	0.0015
Arsenic, total recoverable	N/A		0.023	0.0786	0.009	0.0106	0.0526	0.0764	0.0059	0.0058	0.0049	0.0199	0.0211
Barium, dissolved	Report	0.046	0.06	0.045	0.041	0.076	0.046	0.045	0.068	0.038	0.032	0.051	0.069
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	36	32.6	34.3	46.4	42.1	42.9	42.6	44.6	39.3	33.7	36.5	35.3
Boron, dissolved	0.75	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.001	0.001	0.0007	0.0005	0.0008	0.0018	0.0015	0.0007	0.0005	0.0006	0.0007	0.0005
Cadmium, total	N/A		0.0018	0.0054	0.003	0.0016	0.0071	0.0079	0.0011	0.0009	0.001	0.0019	0.0019
Calcium, dissolved	Report	26.8	26.5	36.7	58.7	72.1	80.1	69	37	42.3	35	34.9	27.5
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	Report	6.3	-3	0	0	2.2	1	0	0	2	-4.5	-6.7	3
Chloride	250	0.5	0.5	0.6	1.2	3.7	1.7	1.6	0.5	0.7	0.7	0.5	0.7
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Conductivity @25C	Report	171	175	241	382	477	495	444	244	263	238	226	184
Copper, dissolved	0.009	0.003	0.0013	0.0013	0.0007	0.0037	0.0008	0.0007	0.002	0.0007	0.0006	0.001	0.0018
Copper, total	N/A		0.03	0.12	0.01	0.01	0.06	0.1	0.01	0.01	0.02	0.02	0.02
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Fluoride	2	0.18	0.27	0.22	0.23	0.22	0.24	0.26	0.2	0.22	0.17	0.23	0.21
Hardness as CaCO3	Report	76	74	104	160	207	230	199	104	118	98.5	97	77
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	1	0.03	0.02	0.02	0.03	0.32	0.02	0.02	0.08	0.02	0.02	0.07	0.12
Iron, total	N/A	1.84	6.63	23.7	1.43	2.68	10.6	20.5	1.14	1.35	1.25	5.2	5.57
Iron, total recoverable	N/A		5.83	24.4	1.81	2.69	11	20.5	1.08	1.26	1.38	5.29	5.57
Lead, dissolved	0.044	0.0013	0.0053	0.005	0.002	0.0795	0.0033	0.0044	0.0132	0.005	0.0016	0.0082	0.0114
Lead, total	N/A		0.5804	2.17	0.1194	0.1802	0.9998	1.57	0.1259	0.086	0.0767	0.2974	0.3642
Magnesium, dissolved	Report	2.3	2	3	3.3	6.6	7.4	6.4	2.8	3	2.7	2.5	1.9
Manganese, dissolved	1.672	0.011	0.013	0.005	0.013	0.131	0.005	0.023	0.013	0.005	0.005	0.008	0.01
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002	0.0003	0.0002	0.001	0.0002	0.0003	0.0002	0.0002	0.0004	0.0002	0.0002
Molybdenum, dissolved	Report	0.001	0.0036	0.0024	0.0053	0.0018	0.0054	0.0066	0.0083	0.0033	0.0018	0.0013	0.0039
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.09	0.49	0.29	1.96	2.21	1.45	1.39	0.62	0.28	0.22	0.21	0.32
Oil and Grease	N/A		2.02	3.3	2	2	2	2	2	2	2	2	2
pH	6-9	7.8	7.6	7.6	7.7	7.7	7.3	7.4	8	7.9	7.7	7.7	7.9
pH measured at	Report	21	19	19.6	21.8	21.2	20.3	18.5	19.5	19.5	22.1	23.2	23.1
Phosphorus, ortho dissolved	Report	0.01	0.06	0.01	0.03	0.01	0.01	0.06	0.02	0.02	0.02	0.02	0.03
Potassium, dissolved	Report	0.6	0.7	0.7	1.2	1.4	1.4	1.5	0.9	0.8	0.7	0.5	0.6
Residue, Filterable (TDS)	400	160	110	152	284	302	352	300	152	162	142	140	122
Residue, Non-Filterable (TSS)	Report	62	123	320	14	29	258	497	151	16	16	75	60
Selenium, dissolved	0.005	0.0003	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.0004	0.0003	0.0004	0.0005	0.0002
Silica, dissolved	Report	5.1	4.8	5.6	7.3	7	6.6	6.6	5.7	6.1	5.5	5.5	4.9
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.00005	0.00014	0.00005	0.00009	0.00005	0.00005	0.00005	0.00006	0.0001
Sodium, dissolved	Report	3.3	2	2.3	10.5	8.1	6.5	7.8	3.6	3.8	3	2.5	2.3
Sulfate	250	37.3	47	72.5	128	165	189	164	64.7	82	75.7	80.6	41.9
Sum of Anions	Report	1.5	1.7	2.2	3.7	4.4	4.9	4.4	2.3	2.5	2.3	2.4	1.6
Sum of Cations	Report	1.7	1.6	2.2	3.7	4.6	5	4.4	2.3	2.6	2.1	2.1	1.7
TDS (calculated)	Report	99	105	144	241	293	322	286	144	165	146	151	103
TDS (ratio - measured/calculated)	Report	1.62	1.05	1.06	1.18	1.03	1.09	1.05	1.06	0.98	0.97	0.93	1.18
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	36	32.6	34.3	46.4	42.1	42.9	42.6	44.6	39.3	33.7	36.5	35.3
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.07	0.17	0.34	0.27	0.51	0.87	0.65	0.25	0.26	0.27	0.33	0.2
Zinc, total	N/A		0.7	2.13	0.37	0.65	2.02	2.47	0.4	0.37	0.37	0.67	0.6

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-3A							
		8/24/2016	11/9/2016	11/10/2016	2/15/2017	6/13/2017	7/11/2017	9/25/2017	11/9/2017
Aluminum, dissolved	5	0.03	0.03		0.06	0.54	0.21	0.2	0.22
Aluminum, total	N/A	1.48	0.65		1.94				
Antimony, dissolved	Report	0.0027	0.0019		0.0018	0.0045	0.0042	0.0024	0.0024
Arsenic, dissolved	0.1	0.0007	0.0007		0.001	0.0064	0.0031	0.003	0.0035
Arsenic, total recoverable	N/A	0.0057	0.003		0.0068				
Barium, dissolved	Report	0.041	0.039		0.043	0.087	0.047	0.058	0.065
Beryllium, dissolved	0.1	0.00005	0.00005		0.00005	0.00008	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	32.8	41.5		35	45.2	59.4	43.4	41.4
Boron, dissolved	0.75	0.01	0.01		0.02	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.0008	0.0006		0.0007	0.0009	0.0007	0.0005	0.0006
Cadmium, total	N/A	0.0011	0.001		0.0013				
Calcium, dissolved	Report	42.5	46.9		41.5	41.7	34.8	42.6	45.9
Carbonate as CaCO3	Report	2	2		2	2	2	2	2
Cation-Anion Balance	Report	-1.9	-1.8		-2	2	-4.3	-1.9	5.7
Chloride	250	0.6	0.5		0.5	1.5	0.9	1	0.5
Chromium, dissolved	0.1	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A	0.005	0.005		0.005				
Conductivity @25C	Report	282	290		288	259	259	278	285
Copper, dissolved	0.009	0.0007	0.0005		0.0007	0.0088	0.0037	0.0028	0.0038
Copper, total	N/A	0.01	0.01		0.01				
Cyanide, total	0.005	0.003	0.003		0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003		0.003				
Dissolved Chromium, Hexavalent	N/A	0.005	0.005		0.005				
Fluoride	2	0.2	0.24		0.25	0.23	0.12	0.21	0.18
Hardness as CaCO3	Report	120	127		114	115	96	117	124
Hydroxide as CaCO3	Report	2	2		2	2	2	2	2
Iron, dissolved	1	0.02	0.02		0.07	1.18	0.5	0.42	0.57
Iron, total	N/A	1.37	0.59		1.95				
Iron, total recoverable	N/A	1.42	0.67		2.1				
Lead, dissolved	0.044	0.0018	0.0018		0.0062	0.159	0.0903	0.0442	0.0644
Lead, total	N/A	0.0891	0.0684		0.141				
Magnesium, dissolved	Report	3.4	2.5		2.5	2.7	2.1	2.5	2.4
Manganese, dissolved	1.672	0.005	0.005		0.011	0.305	0.179	0.095	0.139
Mercury, dissolved	0.01	0.0002	0.0002		0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A	0.0002	0.0002		0.0002				
Molybdenum, dissolved	Report	0.0028	0.0018		0.0011	0.0054	0.004	0.0024	0.0017
Nickel, dissolved	0.05	0.008	0.008		0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.38	0.19		0.26	0.33	0.15	0.18	0.2
Oil and Grease	N/A	2		2	2				
pH	6-9	7.8	7.9		7.8	7.8	8.2	7.7	8
pH measured at	Report	23.9	22.6		22.3	20.4	21.1	22.4	21.2
Phosphorus, ortho dissolved	Report	0.02	0.02		0.02	0.02	0.02	0.02	0.02
Potassium, dissolved	Report	0.7	0.6		0.6	0.8	0.7	0.7	0.5
Residue, Filterable (TDS)	400	192	180		178	154	138	194	184
Residue, Non-Filterable (TSS)	Report	28	5		46	18	5	7	29
Selenium, dissolved	0.005	0.0003	0.0003		0.0004	0.0004	0.0004	0.0003	0.0004
Silica, dissolved	Report	5.1	6.2		6	7.2	6.5	6.7	7
Silver, dissolved	0.0001	0.00005	0.00005		0.00007	0.0021	0.00062	0.00071	0.00071
Sodium, dissolved	Report	3.2	4.7		3.6	3.4	3.6	4.8	4.5
Sulfate	250	95	97.8		91.7	75.4	57.2	86.6	79.4
Sum of Anions	Report	2.7	2.9		2.6	2.5	2.4	2.7	2.5
Sum of Cations	Report	2.6	2.8		2.5	2.6	2.2	2.6	2.8
TDS (calculated)	Report	172	186		170	165	145	174	169
TDS (ratio - measured/calculated)	Report	1.12	0.97		1.05	0.93	0.95	1.11	1.09
Thallium, dissolved	Report	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	32.8	41.5		35	45.2	59.4	43.4	41.4
Uranium, dissolved	Report	0.0001	0.0001		0.0001	0.0003	0.0002	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005		0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.32	0.27		0.3	0.3	0.21	0.2	0.26
Zinc, total	N/A	0.43	0.35		0.45				

Notes:
Bold indicates groundwater standard exceedance.
Blank indicates analyses not performed.
All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW- 3B													
		6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/17/2015	9/16/2015	12/10/2015	3/10/2016	6/15/2016	8/24/2016	11/9/2016
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Aluminum, total	N/A	0.3	0.83	0.73	0.05	0.77	0.06	0.07	0.03	0.04	0.03	0.03	0.05	0.03	0.03
Antimony, dissolved	Report	0.0013	0.0007	0.0007	0.0007	0.0006	0.0006	0.0007	0.0007	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009
Arsenic, dissolved	0.1	0.0005	0.0003	0.0004	0.0003	0.0022	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0003
Arsenic, total recoverable	N/A		0.0062	0.0031	0.0005	0.0054	0.0005	0.0004	0.0004	0.0003	0.0004	0.0003	0.0005	0.0005	0.0003
Barium, dissolved	Report	0.043	0.046	0.054	0.059	0.076	0.061	0.063	0.052	0.049	0.045	0.049	0.047	0.047	0.057
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	35	31.7	30.9	32	33.3	29.9	30.8	30.9	30.5	29.6	30.3	29.5	27.6	29.9
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Cadmium, total	N/A		0.001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0005	0.0005	0.0001	0.0002	0.0001
Calcium, dissolved	Report	26.3	27.7	33.1	37.3	40.5	37.1	38.6	33.7	32.5	30.4	30.1	30.9	30.1	34.4
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	Report	3.2	0	0	0	0	0	0	-2.4	2.6	-2.7	-2.7	0	2.9	0
Chloride	250	0.6	0.5	0.7	1	1.6	1.2	1	0.5	0.5	0.5	0.5	0.7	0.5	0.5
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Conductivity @25C	Report	171	181	213	237	273	232	233	229	209	205	193	201	197	213
Copper, dissolved	0.009	0.0009	0.0007	0.0015	0.0005	0.0011	0.0005	0.0005	0.0009	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Copper, total	N/A		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent	N/A		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.008	0.005	0.005
Fluoride	2	0.2	0.25	0.21	0.18	0.19	0.18	0.18	0.18	0.2	0.15	0.2	0.2	0.18	0.2
Hardness as CaCO3	Report	75	77	92	104	114	103	108	94	92	85.4	84	86	84	95
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	1	0.02	0.02	0.03	0.02	0.45	0.02	0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.02
Iron, total	N/A	0.43	2.24	1.61	0.04	1.84	0.06	0.08	0.05	0.03	0.02	0.02	0.1	0.06	0.02
Iron, total recoverable	N/A		1.72	1.64	0.04	1.67	0.04	0.09	0.05	0.02	0.02	0.04	0.11	0.08	0.02
Lead, dissolved	0.044	0.0002	0.0006	0.0024	0.0007	0.0106	0.0007	0.0004	0.001	0.0004	0.0003	0.0003	0.0003	0.0005	0.0003
Lead, total	N/A		0.0165	0.0103	0.0017	0.012	0.0036	0.004	0.0023	0.0007	0.0007	0.0006	0.0018	0.0014	0.0003
Magnesium, dissolved	Report	2.3	1.9	2.3	2.7	3.1	2.5	2.8	2.4	2.6	2.3	2.1	2.2	2.2	2.3
Manganese, dissolved	1.672	0.005	0.008	0.005	0.005	0.023	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Molybdenum, dissolved	Report	0.001	0.0012	0.0007	0.0008	0.0006	0.0006	0.0006	0.0007	0.0009	0.0007	0.0005	0.0006	0.0008	0.0007
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.09	0.43	0.23	0.35	0.53	0.31	0.35	0.36	0.21	0.19	0.19	0.31	0.18	0.21
Oil and Grease	N/A		2.02	2.3	2	2	2.2	2	2	2	2	2	2	2	
pH	6-9	7.8	7.5	7.5	7.4	7.6	7.2	7.3	7.8	7.7	7.7	7.6	7.8	7.7	7.7
pH measured at	Report	21	20	19.7	21.7	21.1	20.4	18.4	20.2	19.4	22.1	23	23	24	22.5
Phosphorus, ortho dissolved	Report	0.02	0.01	0.01	0.01	0.03	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02
Potassium, dissolved	Report	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.6	0.8	0.6	0.5	0.5	0.5	0.6
Residue, Filterable (TDS)	400	90	100	122	164	164	150	152	134	134	116	118	120	124	122
Residue, Non-Filterable (TSS)	Report	5	28	22	5	148	5	5	5	5	5	5	5	5	5
Selenium, dissolved	0.005	0.0003	0.0003	0.0002	0.0003	0.0004	0.0003	0.0004	0.0003	0.0002	0.0003	0.0004	0.0003	0.0003	0.0003
Silica, dissolved	Report	4.8	5	5.6	5.8	6.1	5.5	5.7	5.2	5.7	5.4	5.5	5.3	5.2	5.3
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Sodium, dissolved	Report	1.7	2.1	2.2	2.8	3.4	2.4	2.9	2.2	2.6	2.2	1.9	2	2.1	2.6
Sulfate	250	36.3	49.7	62	74.6	83.7	74.7	80.2	71.2	62.3	63	61.4	57.3	51.9	67.7
Sum of Anions	Report	1.5	1.7	2	2.2	2.5	2.2	2.3	2.1	1.9	1.9	1.9	1.8	1.7	2
Sum of Cations	Report	1.6	1.7	2	2.2	2.5	2.2	2.3	2	2	1.8	1.8	1.8	1.8	2
TDS (calculated)	Report	96	108	127	146	162	144	152	136	127	124	122	119	111	133
TDS (ratio - measured/calculated)	Report	0.94	0.93	0.96	1.12	1.01	1.04	1	0.99	1.06	0.94	0.97	1.01	1.12	0.92
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	35	31.7	30.9	32	33.3	29.9	30.8	30.9	30.5	29.6	30.3	29.5	27.6	29.9
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.06	0.06	0.1	0.1	0.05	0.16	0.05	0.14	0.05	0.05	0.06	0.05	0.05	0.09
Zinc, total	N/A		0.08	0.11	0.1	0.06	0.12	0.07	0.12	0.06	0.05	0.06	0.04	0.05	0.07

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-3B												
		11/10/2016	2/15/2017	6/13/2017	9/25/2017	11/9/2017	2/21/2018	5/9/2018	7/25/2018	12/11/2018	1/29/2019	5/29/2019	9/16/2019	11/12/2019
Aluminum, dissolved	5		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05
Aluminum, total	N/A		0.43											
Antimony, dissolved	Report		0.001	0.0005	0.0008	0.0007	0.0006	0.0021	0.0011	0.0018	0.0011	0.0009	0.0009	0.0011
Arsenic, dissolved	0.1		0.0004	0.0002	0.0003	0.0004	0.0002	0.0004	0.0003	0.0004	0.0004	0.0003	0.0004	0.0004
Arsenic, total recoverable	N/A		0.0018											
Barium, dissolved	Report		0.052	0.05	0.048	0.052	0.05	0.05	0.043	0.038	0.047	0.051	0.038	0.043
Beryllium, dissolved	0.1		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00008	0.00008	0.00008	0.00008
Bicarbonate as CaCO3	Report		30	29.6	29.6	29.4	32.1	31.5	30.5	31.6	29.6	45.6	36.7	30.1
Boron, dissolved	0.75		0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02
Cadmium, dissolved	0.001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00007	0.00009	0.00009	0.00009	0.00008
Cadmium, total	N/A		0.0001											
Calcium, dissolved	Report		34.3	30.4	29.8	32.4	34	31.4	26.4	27.6	30.5	33.4	28.2	28.1
Carbonate as CaCO3	Report		2	2	2	2	2	2	2	2	2	10	2	2
Cation-Anion Balance	Report		0	-2.7	-2.7	0	-2.4	-2.6	0	-3	-2.7	-4.8	0	0
Chloride	250		0.5	0.7	0.7	0.5	0.6	1.9	0.5	0.5	0.5	0.5	0.5	0.7
Chromium, dissolved	0.1		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A		0.005											
Conductivity @25C	Report		224	200	204	208	234	214	183	178	190	212	185	188
Copper, dissolved	0.009		0.0005	0.0004	0.0004	0.0004	0.0004	0.0022	0.0004	0.0031	0.0008	0.0081	0.0008	0.0008
Copper, total	N/A		0.01											
Cyanide, total	0.005		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A		0.003											
Dissolved Chromium, Hexavalent	N/A		0.005											
Fluoride	2		0.22	0.22	0.19	0.17	0.14	0.08	0.16	0.23	0.2	0.2	0.2	0.3
Hardness as CaCO3	Report		96	85	84	90	94	88	73	76	84	93	78	78
Hydroxide as CaCO3	Report		2	2	2	2	2	2	2	2	2	10	2	2
Iron, dissolved	1		0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Iron, total	N/A		0.48											
Iron, total recoverable	N/A		0.52											
Lead, dissolved	0.044		0.0048	0.0003	0.0003	0.0015	0.0003	0.0009	0.0006	0.001	0.0006	0.0009	0.0006	0.0001
Lead, total	N/A		0.0272											
Magnesium, dissolved	Report		2.4	2.2	2.2	2.3	2.3	2.2	1.7	1.8	2	2.3	1.8	1.8
Manganese, dissolved	1.672		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.01	0.01
Mercury, dissolved	0.01		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A		0.0002											
Molybdenum, dissolved	Report		0.0007	0.0006	0.0009	0.0008	0.0008	0.0008	0.0007	0.0009	0.0007	0.0007	0.001	0.0009
Nickel, dissolved	0.05		0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100		0.28	0.26	0.17	0.18	0.16	0.25	0.18	0.21	0.22	0.25	0.21	0.05
Oil and Grease	N/A	2	2											
pH	6-9		7.5	7.4	7.4	7.7	7.9	7.7	7.6	7.7	7.7	7.6	7.5	7.6
pH measured at	Report		23.1	20.3	22.6	21.1	22.1	21.7	20.9	22.5	23.3		20.3	21.3
Phosphorus, ortho dissolved	Report		0.02	0.02	0.02	0.02	0.02	0.32	0.02	0.02	0.02	0.01	0.01	0.01
Potassium, dissolved	Report		0.6	0.5	0.6	0.5	0.5	1.9	0.4	0.4	0.4	0.6	0.6	0.6
Residue, Filterable (TDS)	400		142	116	136	140	144	130	108	126	128	140	112	126
Residue, Non-Filterable (TSS)	Report		13	5	5	5	5	5	5	5	5	5	5	5
Selenium, dissolved	0.005		0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0004	0.0004	0.0003	0.0002
Silica, dissolved	Report		5.6	5.6	5.5	5.6	5.5	5.4	5.2	5.5	5.6	5.8	5.4	5.4
Silver, dissolved	0.0001		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001	0.0001	0.0001	0.0001	0.0001
Sodium, dissolved	Report		2.6	2.1	2.7	2.6	2.7	2.8	2.1	2.3	2.5	2.5	2.3	2
Sulfate	250		72.3	58.5	62	60.7	69.8	61	47.1	50.5	61.7	62.3	47.1	52.2
Sum of Anions	Report		2.1	1.9	1.9	1.9	2.1	2	1.6	1.7	1.9	2.2	1.7	1.7
Sum of Cations	Report		2.1	1.8	1.8	1.9	2	1.9	1.6	1.6	1.8	2	1.7	1.7
TDS (calculated)	Report		138	120	123	124	137	127	103	109	123	137	110	111
TDS (ratio - measured/calculated)	Report		1.03	0.97	1.11	1.13	1.05	1.02	1.05	1.16	1.04	1.02	1.02	1.14
Thallium, dissolved	Report		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report		30	29.6	29.6	29.4	32.1	31.5	30.5	31.6	29.6	45.6	36.7	30.1
Uranium, dissolved	Report		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713		0.09	0.06	0.07	0.07	0.06	0.09	0.09	0.09	0.1	0.11	0.08	0.1
Zinc, total	N/A		0.11											

Notes:
Bold indicates groundwater standard exceedance.
Blank indicates analyses not performed.
All non-detects included at MDL value.



Groundwater Data

Analyte	GW std	GW-3R							
		3/14/2018	5/9/2018	7/25/2018	12/11/2018	1/29/2019	5/29/2019	9/16/2019	11/12/2019
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05
Aluminum, total	N/A								
Antimony, dissolved	Report	0.0015	0.0013	0.0014	0.0012	0.0016	0.0009	0.0012	0.001
Arsenic, dissolved	0.1	0.0013	0.0004	0.0005	0.001	0.001	0.0005	0.0005	0.0004
Arsenic, total recoverable	N/A								
Barium, dissolved	Report	0.025	0.047	0.029	0.019	0.026	0.049	0.028	0.035
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00008	0.00008	0.00008	0.00008
Bicarbonate as CaCO3	Report	39.3	33.6	29.9	47.8	49.7	39.7	33	25.5
Boron, dissolved	0.75	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Cadmium, dissolved	0.001	0.0003	0.0004	0.0002	0.00021	0.00021	0.00046	0.00029	0.00025
Cadmium, total	N/A								
Calcium, dissolved	Report	59.4	44.9	24.2	54.1	54.5	45	29.7	32
Carbonate as CaCO3	Report	2	2	2	2	2	10	2	2
Cation-Anion Balance	Report	4.5	-1.8	-12.5	1.5	-3	-1.8	0	-2.6
Chloride	250	1	8.9	0.5	1.5	0.5	5.5	0.5	0.5
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A								
Conductivity @25C	Report	312	285	167	305	354	294	192	210
Copper, dissolved	0.009	0.0019	0.0004	0.0004	0.0022	0.0008	0.0029	0.0008	0.0008
Copper, total	N/A								
Cyanide, total	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	N/A								
Dissolved Chromium, Hexavalent	N/A								
Fluoride	2	0.19	0.05	0.14	0.28	0.23	0.1	0.2	0.1
Hardness as CaCO3	Report	159	123	66	145	146	123	81	87
Hydroxide as CaCO3	Report	2	2	2	2	2	10	2	2
Iron, dissolved	1	0.04	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Iron, total	N/A								
Iron, total recoverable	N/A								
Lead, dissolved	0.044	0.0021	0.0015	0.0004	0.0009	0.0003	0.0001	0.0004	0.0001
Lead, total	N/A								
Magnesium, dissolved	Report	2.5	2.6	1.3	2.3	2.4	2.6	1.6	1.7
Manganese, dissolved	1.672	0.005	0.005	0.005	0.005	0.005	0.01	0.01	0.01
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A								
Molybdenum, dissolved	Report	0.0012	0.0005	0.0008	0.0014	0.0012	0.0006	0.0009	0.0009
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.17	1.2	0.17	0.18	0.15	0.81	0.29	0.24
Oil and Grease	N/A								
pH	6-9	7.9	7.6	7.7	8	8.1	7.6	7.5	7.6
pH measured at	Report	23.3	20.9	21	22.3	23.4		20.7	21.3
Phosphorus, ortho dissolved	Report	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01
Potassium, dissolved	Report	0.5	0.7	0.3	0.3	0.4	0.6	0.6	0.3
Residue, Filterable (TDS)	400	202	182	94	210	238	202	116	132
Residue, Non-Filterable (TSS)	Report	16	5	5	5	5	5	5	5
Selenium, dissolved	0.005	0.0003	0.0003	0.0002	0.0003	0.0003	0.0003	0.0002	0.0002
Silica, dissolved	Report	6.8	5.4	4.6	7	6.7	5.3	4.7	4.6
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.0001	0.0001	0.0001	0.0001	0.0001
Sodium, dissolved	Report	6.5	3.9	2.5	7.9	5.8	6.3	3.1	2.5
Sulfate	250	114	89.7	55.2	105	116	91.5	54.3	70.7
Sum of Anions	Report	3.2	2.8	1.8	3.2	3.4	2.9	1.8	2
Sum of Cations	Report	3.5	2.7	1.4	3.3	3.2	2.8	1.8	1.9
TDS (calculated)	Report	217	178	108	210	218	183	116	129
TDS (ratio - measured/calculated)	Report	0.93	1.02	0.87	1	1.09	1.1	1	1.02
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	39.3	33.6	29.9	47.8	49.7	39.7	33	25.5
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.17	0.25	0.12	0.13	0.15	0.25	0.13	0.17
Zinc, total	N/A								

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.