



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	6/10/2014	7/22/2014	12/4/2014	2/13/2015	3/31/2015	5/1/2015	5/7/2015	6/17/2015
Aluminum, dissolved	5	0.03	0.03	0.03	0.03	0.03		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	0.0011	0.0008	0.0008	0.0009	0.0011	0.0013	0.001
Arsenic, dissolved	0.1	0.0027	0.0012	0.001	0.0007	0.0006		0.0008	0.001	0.0007	0.0005	0.0006	0.0004	0.0004	0.0006	0.0006	0.0006
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	0.05	0.039	0.047	0.059	0.047	0.043	0.046	0.043
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	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	45	24.3	34.9	38.2	39.6	38.9	45	39.3	30	27	35.4	37.4	41.2	41.4	44.1	40.6
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	0.01
Cadmium, dissolved	0.001	0.001	0.001	0.0002	0.0002	0.0001		0.0002	0.0002	0.001	0.001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001
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	35.9	18.8	28.2	36.6	27.3	25.5	26.7	25.2
Carbonate as CaCO3	Report	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	2.3	0	-2.9	0	0	0	0	-3.2
Chloride	250	1.2	0.5	0.5	0.6	0.5	0.8	0.9	0.5	1.6	0.5	0.5	0.6	0.5	1	0.8	0.5
Chromium, dissolved	0.1	0.0005	0.0007	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
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	38	123	191	235	178	161	171	168
Copper, dissolved	0.009	0.0017	0.0016	0.0013	0.0005	0.0014		0.001	0.001	0.0028	0.0006	0.0012	0.0005	0.001	0.0007	0.0007	0.001
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
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	0.27	0.23	0.16	0.15	0.17	0.16	0.18	0.16
Hardness as CaCO3	Report	112	49	84	107	78	74	78	72	98	54	81	105	79	73	77	72
Hydroxide as CaCO3	Report	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	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.07
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	0.06	0.03	0.15
Lead, dissolved	0.044	0.0171	0.0011	0.0017	0.0003	0.0009		0.0004	0.0005	0.0057	0.0003	0.0016	0.0001	0.0021	0.0004	0.0006	0.0011
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	2.1	1.7	2.6	3.4	2.5	2.3	2.4	2.3
Manganese, dissolved	1.672	0.054	0.005	0.005	0.005	0.005		0.005	0.005	0.027	0.009	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	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	0.004	0.0012	0.0008	0.0011	0.0013	0.0012	0.0011	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	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	1.09	0.07	0.09	0.08	0.11	0.1	0.12	0.1
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	8	7.5	7.7	7.7	7.7	7.6	7.5	8
pH measured at	Report	20	20	19.5	21.6	20.8	20.6	18.9	20.3	20	21	19.5	21.1	20.8	20.5	18.9	20.3
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	0.02
Potassium, dissolved	Report	1.2	0.5	0.6	0.6	0.6		0.6	0.5	1.3	0.5	0.6	0.6	0.6	0.5	0.6	0.5
Residue, Filterable (TDS)	400	170	70	122	154	94	104	156	94	150	70	108	152	96	98	114	90
Residue, Non-Filterable (TSS)	Report	19	102	50	16	5	5	5	7	9	8	7	5	5	5	5	13
Selenium, dissolved	0.005	0.0005	0.0002	0.0003	0.0004	0.0003		0.0004	0.0004	0.0005	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Silica, dissolved	Report	6.6	4.1	4.1	4.4	4.4		4.9	4.6	5.6	4.4	4.3	4.5	4.4	4.7	4.8	4.5
Silver, dissolved	0.0001	0.00008	0.00005	0.00006	0.00005	0.00005		0.00005	0.00007	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Sodium, dissolved	Report	4.6	1.3	2	2.7	2.2		1.9	1.5	4.6	1.4	1.9	2.6	2.2	2	1.9	1.6
Sulfate	250	62.5	30.8	53.9	71.6	38.4	37.9	36.4	36.8	68.7	29.7	49.7	67	39.1	36.6	32.9	38.1
Sum of Anions	Report	2.3	1.2	1.8	2.3	1.6	1.6	1.7	1.6	2.1	1.2	1.8	2.2	1.7	1.6	1.6	1.6
Sum of Cations	Report	2.5	1.1	1.8	2.3	1.7	1.6	1.7	1.5	2.2	1.2	1.7	2.2	1.7	1.6	1.6	1.5
TDS (calculated)	Report	149	71.6	115	145	101	99.2	103	96.3	140	74.4	110	140	103	99.3	98.5	98.5
TDS (ratio - measured/calculated)	Report	1.14	0.98	1.06	1.06	0.93	1.05	1.51	0.98	1.07	0.94	0.98	1.09	0.93	0.99	1.16	0.91
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
Total Alkalinity	Report	45	24.3	34.9	38.2	39.6	38.9	45	39.3	30	27	35.4	37.4	41.2	41.4	44.1	40.6
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
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
Zinc, dissolved	0.713	0.04	0.05	0.08	0.08	0.06		0.06	0.16	0.06	0.05	0.08	0.08	0.05	0.06	0.06	0.08
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	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		
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	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03		
	N/A		0.94	5.12	3.38	0.09	0.03	0.57	0.18	0.69	0.03	0.05	0.03	0.09	0.44	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	0.0011	0.0016	0.0012	0.0011	0.0009	0.0009	0.001	0.0008	0.0013	0.001		
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	0.0003	0.0005	0.0003	0.0002	0.0005	0.0003	0.0007	0.0002	0.0003	0.0002		
Arsenic, total recoverable	N/A		0.031	0.031	0.0125	0.0006	0.0003	0.0025	0.0001	0.0027	0.0004	0.0006	0.0004	0.0006	0.0015	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	0.039	0.057	0.045	0.04	0.044	0.046	0.062	0.053	0.049	0.045		
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	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	27.7	25.3	30.2	24.3	25.7	24.7	25.4	28.7	29.2	27.5	31		
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	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	0.0005	0.0007	0.0006	0.0005	0.0006	0.0005	0.0008	0.0007	0.0006	0.00053		
Cadmium, total	N/A			0.0014	0.001	0.0006	0.0007	0.0008	0.0008	0.0006	0.0006	0.0006	0.0006	0.0005	0.0008	0.0006									
Calcium, dissolved	Report		29	25.6	28.2	32.2	33.2	33.8	37	25.5	25	24.6	30.8	24.3	29.1	24.9	22.7	22.5	24	33	34.2	24.6	28.2		
Carbonate as CaCO3	Report		2	2	2	2	2	2	2	2	2	2	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	3.4	-2.7	0	0	0	0	0	-2.3	0	-2.9		
Chloride	250		0.8	0.5	0.8	0.5	0.5	0.8	0.8	0.5	0.6	0.9	0.5	0.5	0.8	2.1	0.7	0.5	0.5	0.6	0.5	0.5	0.5		
Chromium, dissolved	0.1		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	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		197	170	187	209	215	215	232	181	169	172	239	175	210	177	160	156	159	233	223	177	185		
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	0.0007	0.0013	0.0005	0.0008	0.0008	0.0006	0.0037	0.0004	0.0008	0.0018		
Copper, total	N/A			0.04	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	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	0.006	0.006	0.005	0.006	0.005	0.005	0.005	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	0.25	0.22	0.28	0.29	0.21	0.18	0.2	0.09	0.22	0.28		
Hardness as CaCO3	Report		84	73	80	92	94	95	105	73	71	69.7	88	69	82	70	65	64	67	93	97	69	80		
Hydroxide as CaCO3	Report		2	2	2	2	2	2	2	2	2	2	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	0.02	0.02	0.02	0.02	0.03	0.02	0.17	0.02	0.02	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	0.1	0.32	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	0.12	0.31	0.04									
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	0.0012	0.0096	0.0004	0.0007	0.0022	0.0006	0.005	0.0006	0.0028	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	0.0042	0.0197	0.0017									
Magnesium, dissolved	Report		2.7	2.3	2.3	2.7	2.7	2.6	3	2.3	2.1	2	2.6	1.9	2.3	1.8	1.9	1.8	1.8	2.5	2.7	1.9	2.3		
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	0.005	0.009	0.005	0.005	0.005	0.005	0.012	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	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	0.0002	0.0002	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	0.0009	0.0014	0.0008	0.0009	0.0007	0.0007	0.001	0.0007	0.0008	0.0011		
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	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	0.21	0.13	0.16	0.18	0.13	0.15	0.16	0.35	0.14	0.19		
Oil and Grease	N/A			2.02	2	2	2	2	2	2	3.2	2.8	2	2	2	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	7.7	7.6	7.5	7.3	7.3	7.6	7.6	7.5	7.4	7.6		
pH measured at	Report		20	21	19.6	21.1	20.3	20.1	18.4	19.7	19.3	22.2	23.2	21.6	23.7	22.6	20.5	22.2	21.4	23.5	21	21	22.5		
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
Potassium, dissolved	Report		0.8	0.7	0.6	0.7	0.6	0.6	0.6	0.6	1.4	0.6	0.7	0.4	1.3	0.4	0.5	0.5	0.4	0.5	0.7	0.4	0.5		
Residue, Filterable (TDS)	400		120	100	116	134	124	136	150	108	98	94	124	106	134	88	82	88	100	150	144	104	126		
Residue, Non-Filterable (TSS)	Report		30	177	57	5	5	8	5	5	5	5	5	5	5	5	5	5	5	338	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	0.0001	0.0002	0.0003	0.0002	0.0002	0.0003	0.0005	0.0004	0.0003	0.0003		
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	4.7	5.6	5.8	4.9	6	5.9	4.6	5.1	5.4	5.1		
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	0.00005	0.00007	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001		
Sodium, dissolved	Report		2.5	1.8	1.7	1.8	1.9	1.9	2	1.7	1.7	1.7	2.1	1.5	3.2	3.5	1.5	1.6	1.6	2	2	2.2	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	42.9	62.1	49.3	39	42.4	42.3	65.8	74.3	45.8	53.5		
Sum of Anions	Report		1.7	1.7	1.7	1.9	2	2	2.3	1.6	1.5	1.6	2.2	1.4	1.9	1.6	1.4	1.4	1.4	2	2.2	1.5	1.8		
Sum of Cations	Report		1.8	1.6	1.7	2	2	2	2.2	1.6	1.6	1.5	1.9	1.5	1.8	1.6	1.4	1.4	1.4	2	2.1	1.5	1.7		
TDS (calculated)	Report		115	109	113	125	130	131	148	106	101	101	132	93.5	125	105	88.9	92.2	93.7	129	139	99.2	113		
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	1.13	1.07	0.84	0.92	0.95	1.07	1.16	1.04	1.05	1.12		
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	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	25.3	30.2	24.3	25.7	24.7	25.4	28.7	29.2	27.5	31		
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	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											

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	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		
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	0.03	0.03	0.03	0.04	0.03	0.05	0.03	0.03	0.03	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	0.06	0.03	0.03	0.04	0.03	0.05	0.03	0.03	0.03	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	0.001	0.001	0.0007	0.0007	0.0007	0.0036	0.0008	0.001	0.0008	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	0.0004	0.001	0.0002	0.0004	0.0002	0.0007	0.0002	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	0.0006	0.0005	0.0003	0.0005	0.0004	0.0002	0.0007	0.0002	0.0002	0.0002	0.0002		
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	0.054	0.052	0.062	0.048	0.049	0.053	0.065	0.063	0.057	0.051		
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	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	30.1	27.9	28.9	27.8	28.9	31.1	34	30	32.2	42.7		
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	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	0.0002	0.0002	0.0002	0.0002	0.0001	0.0003	0.0003	0.0003	0.0002	0.00021		
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	0.0002	0.0002	0.0002	0.0002	0.0001	0.0003	0.0003	0.0003	0.0002	0.00021		
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	28.2	25.3	30.7	22	25	23.7	32.9	36.5	26.3	27.2		
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	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	3	0	0	-3.7	0	0	-4.8	10	-3	-5.6		
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	0.5	0.5	0.7	0.5	0.5	0.9	0.5	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	0.0005	0.003	0.0005	0.0005	0.0005	0.0006	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	0.005	0.005	0.005	0.0006	0.0005	0.0005	0.0005	0.0005		
Conductivity @25C	Report	248	217	186	205	207	199	200	212	163	172	216	223	191	174	204	156	179	194	225	217	186	197		
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	0.0005	0.003	0.0004	0.0006	0.0004	0.0102	0.0006	0.0044	0.0004	0.0014		
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	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	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	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	0.005	0.005	0.005	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	0.21	0.28	0.24	0.2	0.18	0.21	0.08	0.17	0.2	0.33		
Hardness as CaCO3	Report	109	98	79	89	91	88	89	91	71	69.6	84	97	80	71	87	62	71	67	93	103	74	77		
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	2	2	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	0.02	0.02	0.02	0.02	0.03	0.04	0.09	0.02	0.03	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	0.08	0.05	0.05	0.05	0.04	0.09	0.02	0.03	0.02	0.02		
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	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Lead, dissolved	0.044	0.0004	0.001	0.0015	0.0003	0.0001	0.0003	0.0007	0.0027	0.0003	0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0006	0.0004	0.022	0.0025	0.001	0.0006	0.0001		
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	0.0006	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		
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	2.3	1.8	2.6	1.8	2	1.8	2.7	2.8	2.1	2.3		
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	0.005	0.005	0.005	0.005	0.005	0.047	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	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	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	0.0008	0.0008	0.0006	0.0006	0.0006	0.001	0.0006	0.0007	0.0007	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	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	0.12	0.16	0.21	0.12	0.14	0.15	0.17	0.21	0.13	0.17		
Oil and Grease	N/A		2.02	2	2	2	2	2	2	2	2	2	2	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	7.7	7.6	7.3	7.4	7.7	7.6	7.7	7.6	7.5	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	23.8	22.7	20.5	22.4	21.1	23.7	21.2	20.4	21.1	22.6		
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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	0.5	0.3	0.6	0.5	0.6	1.6	0.9	0.8	0.4	0.8		
Residue, Filterable (TDS)	400	160	130	112	126	120	120	190	124	92	94	120	146	116	102	120	92	98	118	152	146	104	136		
Residue, Non-Filterable (TSS)	Report	5	13	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	16	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	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0004	0.0004	0.0003	0.0003		
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	5.9	6.1	5.7	5.9	5.9	5.7	4.9	5.2	5.7	5.4		
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	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0001		
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	1.7	2.3	1.8	1.5	1.8	3.1	2.3	2.4	1.8	2.4		
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	48.3	43.9	61.1	39.4	43.7	38.4	69.6	57	48.7	47.6		
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	1.6	1.5	1.9	1.4	1.5	1.5	2.2	1.8	1.7	1.9		
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	1.7	1.5	1.9	1.3	1.5	1.5	2	2.2	1.6	1.7		
TDS (calculated)	Report	149	166	109	122	125	119	124	130	98.4	97.3	124	134	108	98.9	123	90.2	98.7	96.4	136	126	107	114		
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	1.07	1.03	0.98	1.02	0.99	1.22	1.12	1.16	0.97	1.19		
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001	0.00																			

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	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	0.03	0.04	0.17	0.03	0.03	0.07	0.03	0.03	0.04	0.11	0.03	0.03		0.06	0.54	0.21	0.2	0.22
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	1.48	0.65		1.94				
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	0.0027	0.0019		0.0018	0.0045	0.0042	0.0024	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	0.0007	0.0007		0.001	0.0064	0.0031	0.003	0.0035
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	0.0057	0.003		0.0068				
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	0.041	0.039		0.043	0.087	0.047	0.058	0.065
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005		0.00005	0.00008	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	32.8	41.5		35	45.2	59.4	43.4	41.4
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	0.01	0.01		0.02	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	0.0008	0.0006		0.0007	0.0009	0.0007	0.0005	0.0006
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	0.0011	0.001		0.0013				
Calcium, dissolved	Report	26.8	26.5	36.7	58.7	72.1	80.1	69	37	42.3	35	34.9	27.5	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	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	-1.9	-1.8		-2	2	-4.3	-1.9	5.7
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	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	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		0.005				
Conductivity @25C	Report	171	175	241	382	477	495	444	244	263	238	226	184	282	290		288	259	259	278	285
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	0.0007	0.0005		0.0007	0.0088	0.0037	0.0028	0.0038
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	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	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				
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	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	0.2	0.24		0.25	0.23	0.12	0.21	0.18
Hardness as CaCO3	Report	76	74	104	160	207	230	199	104	118	98.5	97	77	120	127		114	115	96	117	124
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	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	0.02	0.02		0.07	1.18	0.5	0.42	0.57
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	1.37	0.59		1.95				
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	1.42	0.67		2.1				
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	0.0018	0.0018		0.0062	0.159	0.0903	0.0442	0.0644
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	0.0891	0.0684		0.141				
Magnesium, dissolved	Report	2.3	2	3	3.3	6.6	7.4	6.4	2.8	3	2.7	2.5	1.9	3.4	2.5		2.5	2.7	2.1	2.5	2.4
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	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	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	0.0002	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	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	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	0.38	0.19		0.26	0.33	0.15	0.18	0.2
Oil and Grease	N/A		2.02	3.3	2	2	2	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	7.8	7.9		7.8	7.8	8.2	7.7	8
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	23.9	22.6		22.3	20.4	21.1	22.4	21.2
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	0.02	0.02		0.02	0.02	0.02	0.02	0.02
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	0.7	0.6		0.6	0.8	0.7	0.7	0.5
Residue, Filterable (TDS)	400	160	110	152	284	302	352	300	152	162	142	140	122	192	180		178	154	138	194	184
Residue, Non-Filterable (TSS)	Report	62	123	320	14	29	258	497	151	16	16	75	60	28	5		46				



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	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	
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	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		0.43					0.03	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		0.001	0.0005	0.0008	0.0007	0.0006	0.0021	0.0011	0.0018	
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		0.0004	0.0002	0.0003	0.0004	0.0002	0.0004	0.0003	0.0004	
Arsenic, total recoverable	N/A		0.0062	0.0031	0.0005	0.0054	0.0005	0.0004	0.0004	0.0005	0.0003	0.0004	0.0005	0.0004	0.0003		0.0018								
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		0.052	0.05	0.048	0.052	0.05	0.05	0.043	0.038	
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		0.00005	0.00005	0.00005	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		30	29.6	29.6	29.4	32.1	31.5	30.5	31.6	
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		0.02	0.01	0.01	0.01	0.01	0.01	0.02	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		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00007	
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		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		34.3	30.4	29.8	32.4	34	31.4	26.4	27.6	
Carbonate as CaCO3	Report	2	2	2	2	2	2	2	2	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		0	-2.7	-2.7	0	-2.4	-2.6	0	-3	
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		0.5	0.7	0.7	0.5	0.6	1.9	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		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		0.005								
Conductivity @25C	Report	171	181	213	237	273	232	233	229	209	205	193	201	197	213		224	200	204	208	234	214	183	178	
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		0.0005	0.0004	0.0004	0.0004	0.0004	0.0022	0.0004	0.0031	
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		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	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								
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		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		0.22	0.22	0.19	0.17	0.14	0.08	0.16	0.23	
Hardness as CaCO3	Report	75	77	92	104	114	103	108	94	92	85.4	84	86	84	95		96	85	84	90	94	88	73	76	
Hydroxide as CaCO3	Report	2	2	2	2	2	2	2	2	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		0.03	0.02	0.02	0.03	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	0.02	0.02	0.02		0.48								
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		0.52								
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		0.0048	0.0003	0.0003	0.0015	0.0003	0.0009	0.0006	0.001	
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		0.0272								
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		2.4	2.2	2.2	2.3	2.3	2.2	1.7	1.8	
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		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		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		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		0.0007	0.0006	0.0009	0.0008	0.0008	0.0008	0.0007	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	0.008	0.008	0.008	0.0		



Groundwater Data

Analyte	GW std	GW-3R			
		3/14/2018	5/9/2018	7/25/2018	12/11/2018
Aluminum, dissolved	5	0.03	0.03	0.03	0.03
Aluminum, total	N/A				
Antimony, dissolved	Report	0.0015	0.0013	0.0014	0.0012
Arsenic, dissolved	0.1	0.0013	0.0004	0.0005	0.001
Arsenic, total recoverable	N/A				
Barium, dissolved	Report	0.025	0.047	0.029	0.019
Beryllium, dissolved	0.1	0.00005	0.00005	0.00005	0.00005
Bicarbonate as CaCO3	Report	39.3	33.6	29.9	47.8
Boron, dissolved	0.75	0.01	0.01	0.01	0.01
Cadmium, dissolved	0.001	0.0003	0.0004	0.0002	0.00021
Cadmium, total	N/A				
Calcium, dissolved	Report	59.4	44.9	24.2	54.1
Carbonate as CaCO3	Report	2	2	2	2
Cation-Anion Balance	Report	4.5	-1.8	-12.5	1.5
Chloride	250	1	8.9	0.5	1.5
Chromium, dissolved	0.1	0.0005	0.0005	0.0005	0.0005
Chromium, Trivalent Dissolved	N/A				
Conductivity @25C	Report	312	285	167	305
Copper, dissolved	0.009	0.0019	0.0004	0.0004	0.0022
Copper, total	N/A				
Cyanide, total	0.005	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
Hardness as CaCO3	Report	159	123	66	145
Hydroxide as CaCO3	Report	2	2	2	2
Iron, dissolved	1	0.04	0.02	0.02	0.02
Iron, total	N/A				
Iron, total recoverable	N/A				
Lead, dissolved	0.044	0.0021	0.0015	0.0004	0.0009
Lead, total	N/A				
Magnesium, dissolved	Report	2.5	2.6	1.3	2.3
Manganese, dissolved	1.672	0.005	0.005	0.005	0.005
Mercury, dissolved	0.01	0.0002	0.0002	0.0002	0.0002
Mercury, total	N/A				
Molybdenum, dissolved	Report	0.0012	0.0005	0.0008	0.0014
Nickel, dissolved	0.05	0.008	0.008	0.008	0.008
Nitrate/Nitrite as N	100	0.17	1.2	0.17	0.18
Oil and Grease	N/A				
pH	6-9	7.9	7.6	7.7	8
pH measured at	Report	23.3	20.9	21	22.3
Phosphorus, ortho dissolved	Report	0.02	0.02	0.02	0.02
Potassium, dissolved	Report	0.5	0.7	0.3	0.3
Residue, Filterable (TDS)	400	202	182	94	210
Residue, Non-Filterable (TSS)	Report	16	5	5	5
Selenium, dissolved	0.005	0.0003	0.0003	0.0002	0.0003
Silica, dissolved	Report	6.8	5.4	4.6	7
Silver, dissolved	0.0001	0.00005	0.00005	0.00005	0.0001
Sodium, dissolved	Report	6.5	3.9	2.5	7.9
Sulfate	250	114	89.7	55.2	105
Sum of Anions	Report	3.2	2.8	1.8	3.2
Sum of Cations	Report	3.5	2.7	1.4	3.3
TDS (calculated)	Report	217	178	108	210
TDS (ratio - measured/calculated)	Report	0.93	1.02	0.87	1
Thallium, dissolved	Report	0.0001	0.0001	0.0001	0.0001
Total Alkalinity	Report	39.3	33.6	29.9	47.8
Uranium, dissolved	Report	0.0001	0.0001	0.0001	0.0001
Vanadium, dissolved	0.1	0.005	0.005	0.005	0.005
Zinc, dissolved	0.713	0.17	0.25	0.12	0.13
Zinc, total	N/A				

Notes:

Bold indicates groundwater standard exceedance.

Blank indicates analyses not performed.

All non-detects included at MDL value.