Analyte	UG-1																				
	11/15/11	01/16/12	06/24/12	09/18/12	12/06/12	02/06/13	06/20/13	07/18/13	07/25/13	08/01/13	08/08/13	09/26/13	12/26/13	02/12/14	04/02/14	06/11/14	12/04/14	03/31/15	06/16/15	09/16/15	07/26/17
Aluminum, dissolved	0.03	0.03	0.03	0.05	0.04		0.09	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.82	0.03	0.03	0.08
Aluminum, total	0.3	0.03	0.03	0.43	4.98	0.19	2.19	0.62	0.07	1.82	18	1.26	0.05	0.03	5.05	6.14	15.2	47.7	0.95	0.03	
Antimony, dissolved	0.0004	0.0004	0.0004	0.0004	0.001		0.0036	0.0056	0.0045	0.0051	0.0055	0.0033	0.0007	0.0007	0.0009	0.0047	0.0031	0.04	0.0024	0.0018	0.0026
Antimony, total													0.0011								
Arsenic, dissolved	0.003	0.0031	0.0017	0.0037	0.0013	0.002	0.0019	0.0036	0.0025	0.0024	0.0015	0.0028	0.003	0.0024	0.0006	0.0025	0.0016	0.091	0.0019	0.0023	0.003
Arsenic, total													0.0036								
Arsenic, total recoverable																0.24	0.049	0.673	0.0178	0.0034	
Barium, dissolved	0.019	0.022	0.024	0.146	0.033	0.031	0.037	0.032	0.031	0.028	0.054	0.033	0.025	0.029	0.039	0.093	0.043	0.171	0.037	0.021	0.073
Barium, total													0.032								
Beryllium, dissolved	0.0001	0.0001	0.0001	0.0001	0.00005		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00008	0.00005	0.00005	0.00005	0.00354	0.00005	0.00005	0.00008
Beryllium, total													0.00005								
Bicarbonate as CaCO3	59	69	63	58	60	61	54	54	52	53	56	55	59	60	46	52	61.3	60.7	63.9	62.6	62.3
Boron, dissolved	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	0.01	0.02	0.01	0.01	0.03	0.01	0.01	0.01
Boron, total													0.03								
Cadmium, dissolved	0.0001	0.0001	0.0001	0.0001	0.0001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0004	0.0121	0.0002	0.003	0.0004
Cadmium, potentially dissolved																					
Cadmium, total													0.001			0.023	0.0068	0.1186	0.0007	0.0032	
Calcium, dissolved	34.9	35.5	36	33.8	47.3	48.8	41.4	46	48.1	45.3	50.6	43.5	45.9	66.5	89.3	42.1	48.7	86.7	38.2	56.7	45.6
Calcium, total													51.7								
Carbonate as CaCO3	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	0	-6.4	0	-2.3	-1.7	0	0	1.1	3.1	0.9	4.4	4	-3.6	-1.3	4.1	7.6	1.8	23.4	0	2.8	0
Chloride	1	1	1	1	1		1	1	2	1	1	1	1	1	1	0.5	0.9	0.9	0.5	0.9	1.1
Chromium, dissolved	0.0005	0.0005	0.0005	0.0005	0.0005		0.0005	0.0005	0.0013	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0032	0.0005	0.0005	0.0005
Chromium, total													0.0005								
Chromium, total recoverable																0.01					
Chromium, Trivalent Dissolved																	0.005	0.005	0.005	0.005	
Conductivity @25C	216	228	230	217	321	294	264	290	310	289	343	276	310	400	532	283	326	466	238	340	265
Copper, dissolved	0.0029	0.0005	0.0005	0.0009	0.0055		0.0019	0.0007	0.0006	0.0005	0.0005	0.0005	0.001	0.0023	0.0005	0.0029	0.0005	0.4784	0.0034	0.0012	0.0084
Copper, potentially dissolved																					
Copper, total													0.0005			0.63	0.13	2.25	0.04	0.01	
Cyanide, total	0.003	0.003	0.003	0.003	0.003		0.008	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.006	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	0.003	0.003	0.003	0.003	0.003		0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	
Dissolved Chromium, Hexavalent																	0.005	0.006	0.005	0.005	
Fluoride	0.3	0.1	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.22	0.23	0.32	0.24	0.18	0.3	0.3
Hardness as CaCO3	93	96	98	92	127	131	112	126	131	123	136	118	121	175	235	113	129	234	103	155	
Hardness as CaCO3 (dissolved)																					122
Hydroxide as CaCO3	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	0.02	0.02	0.02	0.44	0.02		0.2	0.06	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7.95	0.02	0.05	0.15
Iron, total	0.4	0.05	0.07	0.55	5.49	0.27	2.76	1.39	0.18	1.28	16.3	2.42	0.06	0.06	19.3	21	6.8	75.1	1.5	0.15	
Iron, total recoverable																21.4	5.73	75.9	1.4	0.15	
Lead, dissolved	0.0004	0.0001	0.0001	0.0012	0.0003		0.0049	0.0084	0.0018	0.0087	0.0372	0.0248	0.0022	0.0007	0.0032	0.0577	0.1401	23.8	0.365	0.0043	0.101
Lead, potentially dissolved																					
Lead, total													0.0083			3.93	3.18	42.3	1.37	0.0112	
Magnesium, dissolved	1.5	1.7	1.9	1.7	2.2	2.3	2.1	2.6	2.6	2.3	2.4	2.2	1.5	2.1	2.9	1.9	1.9	4.2	1.9	3.2	1.9
Magnesium, total													1.8								
Manganese, dissolved	0.051	0.032	0.101	0.054	0.44	0.033	0.651	0.035	1.06	0.035	0.203	0.02	0.025	0.014	0.374	0.101	0.111	9.03	0.065	3.8	0.177
Manganese, potentially dissolved																					
Manganese, total													0.039								
Mercury, dissolved	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													0.0002			0.0005	0.0002	0.0027	0.0002	0.0002	
Molybdenum, dissolved	0.0049	0.0044	0.0047	0.0045	0.0061	0.0045	0.0056	0.005	0.0042	0.005	0.0085	0.0057	0.0049	0.0047	0.0052	0.0052	0.0053	0.033	0.0045	0.0037	0.0047
Molybdenum, total													0.0055								
Nickel, dissolved	0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nickel, total													0.01								
Nitrate/Nitrite as N	0.05	0.04	0.43	0.47	0.79	0.2	2.77	1.43	1.56	1.34	6.08	1.56	1.41	1.04	7.45	4.3	5	5.44	0.61	0.41	0.23
Oil and Grease																	2	16.4			
pH	8.2	8	8	8.2	8.2	8.2	8.1	8.2	8.1	8.2	8.1	8.2	8.1	8.2	7.8	8.1	8	8	8.3	8.1	7.7
pH measured at	20	19	20	22	21	23	19	20	21	20	21	21	22	21	18	21	19.4	20.9	20.4	19.2	21.5
Phosphorus, ortho dissolved	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.02	0.05	0.06	0.04	0.02	0.01	0.02
Potassium, dissolved	0.3	0.4	0.6	0.5	0.9	0.6	0.8	0.6	0.5	0.8	1	0.5	0.5	0.4	0.6	0.9	0.8	2.2	0.6	0.8	0.3
Potassium, total													0.5								
Residue, Filterable (TDS) @180C	120	130	140	140	200	190	160	180	200	172	220	174	210	260	370	130	204	280	146	222	188
Residue, Non-Filterable (TSS) @105C	5	5	5	7	182		123	22	5	21	940	185	5	5	396	670	362	1840	16	7	9
Selenium, dissolved	0.0005	0.0005	0.0005	0.0007	0.0004	0.0006	0.0006	0.0006	0.0005	0.0006	0.0012	0.0005	0.0006	0.0008	0.0006	0.0008	0.001	0.0017	0.0008	0.0004	0.0006
Selenium, total													0.0006								
Silica, dissolved	8.6	8.7	8.3	8.4	8.4	8.2	6.8	6.3	6.4	6.2	6.4	6.7	8.5	8.3	8	7.6	8.2	14	7.2	8.2	8.5
Silica, total													8.7								
Silver, dissolved	0.00005	0.00005	0.00005	0.00005	0.00017		0.00007	0.00005	0.00013	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0002	0.00005	0.00269	0.00005	0.00005	0.00037
Silver, potentially dissolved																					
Silver, total													0.00011								
Sodium, dissolved	5.7	5.9	5.6	5.3	6.5	6	4.7	5.3	6.7	5.9	6.7	5	5.9	6.5	7.2	5.6	7.1	9.2	4.3	6.6	5.6
Sodium, total													6.4								
Sulfate	42	53	43	49	86	79	69	75.6	82.1	75.9	78.3	62	80.3	129	181	53.6	75	134	48.4	105	66.5
Sum of Anions	2.1	2.5	2.2	2.2	3	2.9	2.5	2.71	2.83	2.69	2.8	2.4	2.9	3.9	4.7	2.18	2.8	4.1	2.3	3.5	2.7
Sum of Cations	2.1	2.2	2.2	2.1	2.9	2.9	2.5	2.77	3.01	2.74	3.06	2.6	2.7	3.8	5.1	2.54	2.9	6.6	2.3	3.7	2.7
TDS (calculated)	128	147	134	134	188	182	158	170	181	170	180	153	178	249	317	146	183	318	142	227	171
TDS (ratio - measured/calculated)	0.94	0.88	1.04	1.04	1.06	1.04	1.01	1.06	1.1	1.01	1.22	1.14	1.18	1.04	1.17	0.89	1.11	0.88	1.03	0.98	1.1
Thallium, dissolved	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	0.0007	0.0001	0.0001	0.0001
Thallium, total													0.0001								
Total Alkalinity	59	69	63	58	60	61	54	54	52	53	56	55	59	60	46	52	61.3	60.7	63.9	62.6	62.3
Uranium, dissolved	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0001	0.0002	0.0002	0.0012	0.0002	0.0002	0.0002
Uranium, total													0.0002								
Vanadium, dissolved	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	0.041	0.005	0.005	0.005
Vanadium, total													0.005								
Zinc, dissolved	0.01	0.01	0.01	0.01	0.02		0.12	0.01	0.3	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	6.32	0.02	1.07	0.08
Zinc, potentially dissolved																					
Zinc, total													0.01			4.93	1.54	27.4	0.47	1.06	

Notes: Nondetects presented at detection limit value. Blanks indicate no analysis was performed.

Analyte	UG-2																			
	11/15/11	01/16/12	06/24/12	09/18/12	12/06/12	02/06/13	06/20/13	07/18/13	07/25/13	08/01/13	08/08/13	09/26/13	12/26/13	02/12/14	04/02/14	06/11/14	12/04/14	03/31/15	06/16/15	09/16/15
Aluminum, dissolved	0.03	0.03	0.03	0.03	0.03		0.14	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.03	0.03
Aluminum, total	0.16	0.08	0.18	0.13	0.11	0.04	2.28	1.68	0.03	2.88	30.3	0.95	0.04	0.06	0.12	0.2	7.78	0.23	4.25	0.03
Antimony, dissolved	0.0017	0.0011	0.0038	0.0041	0.0026	0.0025	0.0009	0.0008	0.0055	0.0007	0.0015	0.0008	0.0019	0.001	0.0007	0.0021	0.0008	0.001	0.0042	0.0015
Antimony, total													0.0022							
Arsenic, dissolved	0.003	0.0029	0.001	0.0027	0.002	0.0025	0.0017	0.0022	0.0023	0.0021	0.0022	0.0017	0.0047	0.0026	0.002	0.0028	0.0024	0.0031	0.0015	0.0044
Arsenic, total													0.0056							
Arsenic, total recoverable																0.04	0.0142	0.0035	0.0206	0.0051
Barium, dissolved	0.022	0.022	0.024	0.027	0.029	0.03	0.047	0.042	0.031	0.034	0.063	0.036	0.029	0.026	0.025	0.026	0.033	0.034	0.029	0.029
Barium, total													0.038							
Beryllium, dissolved	0.0001	0.0001	0.0001	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
Beryllium, total													0.00009							
Bicarbonate as CaCO3	50	57	49	68	51	52	62	59	52	60	62	62	58	55	44	39	66.5	56	49.6	54.3
Boron, dissolved	0.02	0.01	0.02	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.01
Boron, total													0.03							
Cadmium, dissolved	0.0007	0.0005	0.0009	0.0009	0.0018	0.0014	0.001	0.001	0.0013	0.001	0.001	0.001	0.001	0.0017	0.0017	0.001	0.0023	0.0031	0.0001	0.0001
Cadmium, potentially dissolved																				
Cadmium, total													0.001			0.005	0.0031	0.0033	0.0031	0.0001
Calcium, dissolved	57.2	63.1	43.6	48.7	63.2	65.7	52.3	54.1	45.2	50.3	58.2	44.5	44.8	54.5	54.6	32.1	58.9	57.7	33.3	49.7
Calcium, total													53.7							
Carbonate as CaCO3	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	0	-9.3	0	-6.3	-1.3	1.2	6.7	10.9	0.7	6.6	11.7	8	-8.5	-2.9	0	5.2	-3.9	1.3	2.6	0
Chloride	1	1	1	1	1		1	1	1	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.9
Chromium, dissolved	0.0005	0.0005	0.0005	0.0005	0.0005		0.0007	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, total													0.0005							
Chromium, total recoverable																0.01				
Chromium, Trivalent Dissolved																	0.005	0.005	0.005	0.005
Conductivity @25C	344	390	271	305	416	406	370	361	289	327	441	308	323	366	358	203	366	376	209	288
Copper, dissolved	0.0043	0.0005	0.0005	0.0005	0.0008		0.0034	0.001	0.0005	0.0008	0.0006	0.0015	0.0005	0.0008	0.0005	0.0005	0.0008	0.0012	0.001	0.0005
Copper, potentially dissolved																				
Copper, total													0.0008			0.01	0.01	0.01	0.02	0.01
Cyanide, total	0.003	0.003	0.003	0.003	0.003		0.028	0.014	0.004	0.004	0.007	0.01	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	0.003	0.003	0.003	0.003	0.003		0.012	0.004	0.003	0.004	0.003	0.007	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent																	0.005	0.006	0.005	0.005
Fluoride	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.29	0.13	0.25	0.24	0.1	0.18
Hardness as CaCO3	153	168	119	132	169	176	140	144	124	133	153	119	120	147	147	87	158	156	91	133
Hardness as CaCO3 (dissolved)																				
Hydroxide as CaCO3	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	0.02	0.02	0.03	0.02	0.02		0.13	0.06	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.09	0.11	0.02
Iron, total	0.7	0.39	0.63	0.47	0.24	0.09	4	2.34	0.13	2.38	30	2.21	0.15	0.15	0.55	0.38	5.49	0.21	8.71	0.11
Iron, total recoverable																0.38	5.17	0.19	8.44	0.12
Lead, dissolved	0.0003	0.0001	0.0008	0.0011	0.0026	0.0011	0.0032	0.0087	0.0008	0.0042	0.0169	0.0233	0.0006	0.0006	0.0007	0.0009	0.002	0.0124	0.0039	0.0018
Lead, potentially dissolved																				
Lead, total													0.0072			0.03	0.0843	0.0141	0.3425	0.0061
Magnesium, dissolved	2.4	2.6	2.5	2.6	2.7	2.8	2.3	2.2	2.7	1.7	1.9	1.8	1.9	2.5	2.6	1.6	2.7	2.8	1.9	2.2
Magnesium, total													2.3							
Manganese, dissolved	1.17	1.5	1.3	0.923	2.08	2.38	0.168	0.126	1.37	0.124	0.213	0.077	0.005	1.75	1.65	0.312	3.11	3.47	0.024	0.037
Manganese, potentially dissolved																				
Manganese, total													0.094							
Mercury, dissolved	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													0.0002			0.0002	0.0002	0.0002	0.0002	0.0002
Molybdenum, dissolved	0.0024	0.0025	0.0035	0.0033	0.0023	0.0037	0.0041	0.0051	0.0031	0.0052	0.0103	0.0044	0.0038	0.0021	0.002	0.0022	0.0027	0.003	0.0041	0.0026
Molybdenum, total													0.0042							
Nickel, dissolved	0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nickel, total													0.01							
Nitrate/Nitrite as N	0.13	0.09	0.19	0.2	0.15	0.14	13.6	9.8	0.26	6.35	17.5	6.52	0.17	0.2	0.2	0.37	0.18	0.3	0.57	0.23
Oil and Grease																		2	2	
pH	8.1	8	7.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8	8.2	8.1	8.1	7.9	8.1	7.9	7.9	8.2	8.1
pH measured at	20	20	20	22	21	23	19	21	22	21	21	21	22	21	22	21	19.4	21.5	20.2	19.8
Phosphorus, ortho dissolved	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.05	0.01	0.04	0.01
Potassium, dissolved	0.3	0.5	0.6	0.6	0.5	0.6	1.5	1.2	0.5	0.8	1.4	0.9	0.5	0.5	0.4	0.4	0.6	0.7	0.6	0.6
Potassium, total													0.6							
Residue, Filterable (TDS) @180C	220	260	170	210	220	280	240	230	186	212	306	192	210	230	260	100	236	234	130	182
Residue, Non-Filterable (TSS) @105C	5	5	6	5	5		55	45	5	38	1300	69	5	11	5	8	97	5	81	5
Selenium, dissolved	0.0004	0.0003	0.0004	0.0005	0.0002	0.0004	0.001	0.0009	0.0004	0.0007	0.0009	0.0006	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Selenium, total													0.0004							
Silica, dissolved	7.3	7.9	6.1	6.5	7.7	7.9	8.4	8.3	5.9	8.2	8.2	7.7	7.1	7	7.3	5.6	7.4	7.5	5.4	6.6
Silica, total													7.3							
Silver, dissolved	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	0.00005	0.00005
Silver, potentially dissolved																				
Silver, total													0.00018							
Sodium, dissolved	6.7	8.6	4.7	5.7	8.1	8.9	6.9	7.5	5	7.2	7.5	6	6.2	8.1	8.6	3.4	6.9	8.3	3.4	5.6
Sodium, total													7.3							
Sulfate	116	167	79	97	140	138	73	67.6	82.7	67.4	70.4	49.2	94.2	116	122	44.8	125	121	44.7	84.8
Sum of Anions	3.5	4.7	2.7	3.4	4	4	2.8	2.62	2.79	2.63	2.73	2.3	3.2	3.6	3.5	1.73	4	3.7	1.9	2.9
Sum of Cations	3.5	3.9	2.7	3	3.9	4.1	3.2	3.26	2.83	3	3.45	2.7	2.7	3.4	3.5	1.92	3.7	3.8	2	2.9
TDS (calculated)	222	286	168	204	256	258	182	177	175	172	185	148	190	224	224	114	248	239	121	186
TDS (ratio - measured/calculated)	0.99	0.91	1.01	1.03	0.86	1.09	1.32	1.3	1.06	1.23	1.65	1.3	1.11	1.03	1.16	0.88	0.95	0.98	1.07	0.98
Thallium, dissolved	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
Thallium, total													0.0001							
Total Alkalinity	50	57	49	68	51	52	62	59	52	60	62	62	58	55	44	39	66.5	56	49.6	54.3
Uranium, dissolved	0.0003	0.0003	0.0002	0.0002	0.0004	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0004	0.0003	0.0002	0.0002	0.0003	0.0003	0.0002	0.0003
Uranium, total													0.0006							
Vanadium, dissolved	0.005	0.005	0.005	0.005	0.005	0.009	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
Vanadium, total													0.005							
Zinc, dissolved	0.37	0.41	0.31	0.29	0.54	0.54	0.01	0.01	0.39	0.01	0.01	0.01	0.01	0.54	0.57	0.1	0.47	0.83	0.01	0.04
Zinc, potentially dissolved																				
Zinc, total													0.03			0.16	0.9	0.85	0.89	0.05

Notes: Nondetects presented at detection limit value. Blanks indicate no analysis was performed.

Analyte	UG-3																	
	01/16/12	06/24/12	09/18/12	12/06/12	02/06/13	06/20/13	07/18/13	07/25/13	8/1/2013	8/8/2013	9/26/2013	12/26/2013	2/12/2014	4/2/2014	06/11/14	12/04/14	03/31/15	06/16/15
Aluminum, dissolved	0.03	0.03	0.03	0.03		0.03	0.03	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.25	0.03
Aluminum, total	0.28	0.36	0.21	0.37		0.07	0.03	0.71	0.04	0.06	0.07	0.12	0.04	0.05	0.1	0.24	0.27	0.06
Antimony, dissolved	0.0004	0.0004	0.0004	0.0004		0.0022	0.0067	0.0006	0.0062	0.0065	0.0038	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Antimony, total												0.0009						
Arsenic, dissolved	0.0032	0.004	0.0042	0.0008	0.0036	0.0024	0.0034	0.0019	0.0035	0.0036	0.0033	0.0028	0.0002	0.0013	0.0031	0.0014	0.0043	0.0006
Arsenic, total												0.0148						
Arsenic, total recoverable															0.04	0.0067	0.0044	0.006
Barium, dissolved	0.02	0.018	0.094	0.02	0.03	0.017	0.026	0.041	0.026	0.026	0.028	0.027	0.022	0.032	0.024	0.022	0.026	0.031
Barium, total												0.039						
Beryllium, dissolved	0.0002	0.0002	0.0003	0.00025		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00013	0.00005	0.00015	0.00033	0.00056	0.00005
Beryllium, total												0.00005						
Bicarbonate as CaCO3	45	38	41	41	79	46	54	59	52	52	53	68	60	65	50	51.8	47.1	64
Boron, dissolved	0.03	0.04	0.02	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	0.01
Boron, total												0.03						
Cadmium, dissolved	0.0183	0.0366	0.0332	0.038		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0114	0.001	0.0169	0.0332	0.0323	0.0001
Cadmium, potentially dissolved																		
Cadmium, total												0.0016			0.016	0.0334	0.0329	0.0017
Calcium, dissolved	84.1	74.2	83.5	101	44.6	29.7	46.1	53	43.5	44.9	41.3	42.3	71.8	43.1	60.8	91.1	85.7	43.8
Calcium, total												46.5						
Carbonate as CaCO3	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	6.9	12.4	6	7.8	-5.9	-12.2	1.5	8	-1	2.7	35.1	-4.9	2.7	-1.6	6.3	8.1	9.1	0
Chloride	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1.4	1	0.5
Chromium, dissolved	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, total												0.0005						
Chromium, total recoverable															0.01			
Chromium, Trivalent Dissolved																0.005	0.005	0.005
Conductivity @25C	710	692	681	859	316	224	276	341	274	274	265	323	534	318	461	718	675	313
Copper, dissolved	0.0005	0.001	0.0015	0.0011		0.0006	0.0005	0.002	0.0005	0.0007	0.0005	0.0005	0.0006	0.0005	0.0009	0.0044	0.0122	0.0008
Copper, potentially dissolved																		
Copper, total												0.003			0.01	0.01	0.02	0.02
Cyanide, total	0.003	0.003	0.003	0.003		0.003	0.003	0.009	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cyanide, WAD	0.003	0.003	0.003	0.003		0.003	0.003	0.007	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Dissolved Chromium, Hexavalent																0.005	0.005	0.005
Fluoride	0.6	0.8	0.7	0.7	0.3	0.2	0.2	0.3	0.4	0.2	0.1	0.2	0.3	0.26	0.57	0.58	0.49	0.2
Hardness as CaCO3	247	223	243	296	123	81	127	140	119	123	113	116	203	118	174	263	244	121
Hardness as CaCO3 (dissolved)																		
Hydroxide as CaCO3	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	0.16	0.15	0.36	0.06	0.02	0.02	0.02	0.08	0.02	0.02	0.02	0.04	0.02	0.05	0.16	0.02	0.69	0.19
Iron, total	2.74	7.54	2.01	2.19	0.85	0.27	0.04	1.08	0.1	0.27	0.07	1.73	0.38	0.92	0.77	0.72	0.7	0.71
Iron, total recoverable															0.75	0.76	0.7	0.68
Lead, dissolved	0.0015	0.0004	0.0011	0.0007		0.0017	0.0006	0.0023	0.0008	0.0007	0.0006	0.0012	0.0001	0.0013	0.0005	0.0007	0.008	0.0003
Lead, potentially dissolved																		
Lead, total												0.0217			0.03	0.0097	0.0078	0.0034
Magnesium, dissolved	8.9	9.2	8.3	10.6	2.8	1.6	2.9	1.9	2.5	2.5	2.3	2.6	5.6	2.5	5.4	8.7	7.2	2.9
Magnesium, total												2.8						
Manganese, dissolved	45.3	60.5	40.2	55.1	2.9	0.771	0.005	0.12	0.005	0.005	0.005	1.24	15.5	3.23	21.7	43.2	34.9	3.15
Manganese, potentially dissolved																		
Manganese, total												2.39						
Mercury, dissolved	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												0.0002			0.0002	0.0002	0.0002	0.0002
Molybdenum, dissolved	0.0014	0.0019	0.0016	0.0014	0.0038	0.0015	0.0037	0.0043	0.0034	0.0042	0.0033	0.004	0.0011	0.0043	0.0027	0.0013	0.0022	0.0044
Molybdenum, total												0.006						
Nickel, dissolved	0.01	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.008	0.008	0.008	0.009	0.008	0.008
Nickel, total												0.01						
Nitrate/Nitrite as N	0.03	0.07	0.05	0.06		0.22	0.26	7.62	0.27	0.3	0.34	0.02	0.11	0.02	0.02	0.06	0.03	0.02
Oil and Grease																	2	2
pH	7.6	7.2	7.6	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	7.9	7.8	7.7	7.3	7.3	7.9
pH measured at	19	20	22	21	23	19	21	21	21	20	21	22	22	21	20	19.4	21.4	19.7
Phosphorus, ortho dissolved	0.01	0.01	0.02	0.01		0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
Potassium, dissolved	1.3	1.2	1.2	1.3	0.9	0.4	0.6	0.8	0.5	0.5	0.4	0.9	0.8	0.8	0.9	1.1	1.1	1
Potassium, total												0.9						
Residue, Filterable (TDS) @180C	550	550	550	630	190	140	170	232	164	172	164	190	360	220	260	522	490	200
Residue, Non-Filterable (TSS) @105C	15	22	7	6		5	5	18	5	8	8	5	5	6	5	6	5	5
Selenium, dissolved	0.0001	0.0002	0.0001	0.0001		0.0003	0.0004	0.0007	0.0004	0.0005	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001
Selenium, total												0.0001						
Silica, dissolved	9.3	8.9	9	9.1	6.3	5.7	5.6	8.5	5.7	5.8	5.9	6.5	7.9	6.1	7.8	9.1	7.9	6.3
Silica, total												7						
Silver, dissolved	0.00005	0.00005	0.00005	0.00005		0.00005	0.00005	0.00027	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Silver, potentially dissolved																		
Silver, total												0.00023						
Sodium, dissolved	15.4	14.8	13.2	15.3	12.1	3.3	4.8	7.1	4.7	4.9	4.5	10.9	9.3	11.2	12.2	12	13.1	10.8
Sodium, total												11.7						
Sulfate	340	330	330	410	94	63	76	71.1	75.8	71	5.5	86	199	91.6	193	322	285	88.4
Sum of Anions	8.1	7.8	7.8	9.5	3.6	2.3	2.69	2.69	2.65	2.54	1.2	3.2	5.4	3.2	5.11	7.9	7	3.2
Sum of Cations	9.3	10	8.8	11.1	3.2	1.8	2.77	3.16	2.6	2.68	2.5	2.9	5.7	3.1	5.8	9.3	8.4	3.2
TDS (calculated)	542	538	523	641	212	133	169	178	164	161	92	192	350	199	342	534	477	198
TDS (ratio - measured/calculated)	1.01	1.02	1.05	0.98	0.9	1.05	1.01	1.3	1	1.07	1.78	0.99	1.03	1.11	0.76	0.98	1.03	1.01
Thallium, dissolved	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
Thallium, total												0.0001						
Total Alkalinity	45	38	41	41	79	46	54	59	52	52	53	68	60	65	50	51.8	47.1	64
Uranium, dissolved	0.0001	0.0001	0.0001	0.0001	0.0003	0.0002	0.0003	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0001	0.0003	0.0003
Uranium, total												0.0005						
Vanadium, dissolved	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
Vanadium, total												0.005						
Zinc, dissolved	9.4	14.7	10.6	12.9	0.43	0.23	0.02	0.02	0.02	0.02	0.02	0.15	3.83	0.67	5.46	10.5	8.6	0.77
Zinc, potentially dissolved																		
Zinc, total												0.44			6.11	10.3	9.22	0.86

Notes: Nondetects presented at detection limit value. Blanks indicate no analysis was performed.

Analyte	UG-4																				
	01/16/12	06/24/12	09/18/12	12/06/12	02/06/13	06/20/13	07/18/13	07/25/13	08/01/13	08/08/13	09/26/13	12/26/2013	2/12/2014	4/2/2014	6/11/2014	12/4/2014	3/31/2015	6/16/2015	9/16/2015	3/30/2016	7/26/2017
Aluminum, dissolved	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	0.15	0.09	0.03	0.03	0.03
Aluminum, total	0.04	0.1	0.03	3.37	0.17	0.03	0.04	0.03	0.06	0.03	0.12	0.03	0.05	1.11	0.31	112	1.67	3.71	0.35	0.38	
Antimony, dissolved	0.0057	0.0158	0.016	0.0124	0.0109	0.0004	0.0186	0.0189	0.0179	0.0171	0.0135	0.0049	0.0038	0.0029	0.0184	0.0048	0.0034	0.0182	0.004	0.0014	0.0131
Antimony, total												0.0056									
Arsenic, dissolved	0.0095	0.0033	0.0051	0.0059	0.0067	0.0026	0.0037	0.0037	0.0037	0.0045	0.0047	0.0085	0.0084	0.0086	0.0039	0.0067	0.0092	0.0033	0.0088	0.0121	0.007
Arsenic, total												0.0094									
Arsenic, total recoverable															0.04	0.525	0.0097	0.0191	0.0115	0.0127	
Barium, dissolved	0.024	0.02	0.024	0.037	0.032	0.018	0.02	0.025	0.025	0.021	0.022	0.032	0.03	0.029	0.022	0.028	0.032	0.032	0.028	0.022	0.021
Barium, total												0.039									
Beryllium, dissolved	0.0001	0.0001	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
Beryllium, total												0.00005									
Bicarbonate as CaCO3	73	52	61	70	68	47	57	62	66	61	65	73	75	60	41	81.7	76.1	48.3	64.7	72.2	71.6
Boron, dissolved	0.03	0.02	0.01	0.02	0.04	0.01	0.02	0.02	0.01	0.01	0.01	0.03	0.03	0.05	0.02	0.03	0.04	0.03	0.02	0.04	0.03
Boron, total												0.03									
Cadmium, dissolved	0.0001	0.0004	0.0004	0.0005	0.0003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.0003	0.0001	0.0001	0.0002
Cadmium, potentially dissolved																				0.0001	
Cadmium, total												0.001			0.005	0.0082	0.0002	0.0008	0.0002	0.001	
Calcium, dissolved	61.7	51.3	55	64.9	64.6	19.8	56.2	57.5	54.1	56.5	56	56.2	62.1	64.4	47	77.7	66.5	39.8	53.5	62.9	59.2
Calcium, total												66.2									
Carbonate as CaCO3	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cation-Anion Balance	-2.5	-1.5	1.4	-1.2	0	-7.7	2.2	0.4	-2.7	2.8	-2.8	-7.9	-2.5	0	0.2	-1	0	2	-1.5	-3.6	2.8
Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0.8	2.4	1.8	1	1	1.9	1.3
Chromium, dissolved	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, total												0.0005									
Chromium, total recoverable															0.01						
Chromium, Trivalent Dissolved																0.005	0.005	0.005	0.005	0.005	
Conductivity @25C	416	325	339	429	403	144	351	371	353	356	374	405	413	419	313	483	426	270	324	426	349
Copper, dissolved	0.0005	0.0006	0.0005	0.0067	0.0009	0.0006	0.0013	0.0009	0.0009	0.0009	0.0005	0.0005	0.0005	0.0005	0.0008	0.0017	0.0027	0.0029	0.0006	0.0006	0.0006
Copper, potentially dissolved																				0.0034	
Copper, total												0.0018			0.01	0.38	0.01	0.03	0.01	0.01	
Cyanide, total	0.003	0.004	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	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																0.005	0.005	0.005	0.005	0.005	
Fluoride	0.1	0.3	0.3	0.3	0.4	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.42	0.25	0.4	0.38	0.15	0.24	0.43	0.43
Hardness as CaCO3	169	148	156	177	175	54	162	164	155	161	159	153	168	173	134	211	180	114	148		
Hardness as CaCO3 (dissolved)																				169	165
Hydroxide as CaCO3	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Iron, dissolved	0.02	0.02	0.02	0.16		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.22	0.23	0.02	0.02	0.02
Iron, total	0.07	0.19	0.02	2.73	0.15	0.02	0.03	0.02	0.13	0.04	0.16	0.08	0.07	1.79	0.57	161	0.81	4.27	0.27	0.45	
Iron, total recoverable															0.52	149	0.8	3.96	0.27	0.48	
Lead, dissolved	0.0002	0.0047	0.0018	0.082	0.0086	0.0008	0.0062	0.003	0.0401	0.0057	0.0018	0.0032	0.0019	0.0022	0.0047	0.0035	0.0424	0.0162	0.0082	0.0029	0.002
Lead, potentially dissolved																				0.0499	
Lead, total												0.0242			0.03	5.24	0.0442	0.3268	0.023	0.037	
Magnesium, dissolved	3.5	4.7	4.5	3.7	3.4	1.1	5.2	5	4.7	4.8	4.6	3	3	2.9	4.1	4.2	3.3	3.6	3.4	2.8	4.1
Magnesium, total												3.7									
Manganese, dissolved	0.076	0.032	0.147	0.207	0.086	0.005	0.008	0.012	0.011	0.005	0.01	0.006	0.012	0.009	0.018	0.038	0.157	0.165	0.008	0.005	0.017
Manganese, potentially dissolved																				0.0847	
Manganese, total												0.028									
Mercury, dissolved	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												0.0002			0.0002	0.0018	0.0002	0.0002	0.0002	0.0004	
Molybdenum, dissolved	0.0075	0.0074	0.0088	0.0102	0.0104	0.0012	0.0078	0.0084	0.0088	0.0084	0.0081	0.0075	0.0071	0.0073	0.0099	0.0129	0.009	0.0083	0.0068	0.0084	0.0081
Molybdenum, total												0.008									
Nickel, dissolved	0.01	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nickel, total												0.01									
Nitrate/Nitrite as N	0.08	0.18	0.18	0.11	0.1	0.23	0.28	0.28	0.3	0.3	0.29	0.12	0.15	0.14	0.39	0.35	0.72	1.49	0.33	0.16	0.21
Oil and Grease																	2	2.5	2	2	
pH	8	7.9	8.2	8.2	8.3	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.3	8.2	7.9	8.1	8.1	8.1	8.2	8.3	8
pH measured at	20	20	22	21	22	20	21	21	21	20	21	22	22	21	20	19.4	21.3	20	19.2	22.3	21.7
Phosphorus, ortho dissolved	0.01	0.01	0.01	0.03	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.06	0.02	0.04	0.01	0.02	0.02
Potassium, dissolved	0.6	0.9	0.8	0.7	0.8	0.4	1	0.8	0.9	0.8	0.7	0.6	0.5	0.5	0.9	1.6	0.9	1.1	0.7	0.5	0.7
Potassium, total												0.7									
Residue, Filterable (TDS) @180C	250	210	220	270	270	80	220	244	214	230	238	250	260	300	170	330	276	162	204	280	244
Residue, Non-Filterable (TSS) @105C	5	5	5	32		5	5	5	5	5	8	8	21	14	5	2820	5	41	5	15	5
Selenium, dissolved	0.0005	0.0008	0.0009	0.0004	0.0006	0.0003	0.0007	0.0008	0.0007	0.0007	0.0007	0.0007	0.0004	0.0004	0.0006	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004
Selenium, total												0.0006									
Silica, dissolved	7.6	4.4	5.7	7.8	7.3	5.2	4.4	4.6	4.7	4.7	5.2	7.1	6.9	7.3	4	7.8	8	3.9	6.6	7.1	5.7
Silica, total												7.3									
Silver, dissolved	0.00005	0.00005	0.00005	0.00013		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00007	0.00008	0.00005	0.00005	0.00005
Silver, potentially dissolved																				0.00014	
Silver, total												0.0003									
Sodium, dissolved	12	5.8	8.1	11.5	12.5	1.9	5.9	6.5	6.2	6.6	7.1	9.9	11.4	13.3	5.3	13.4	13.5	4.8	8.3	13.4	9
Sodium, total												11.2									
Sulfate	124	107	105	130	126	23	106	110	107	100	114	123	121	134	99.2	158	129	72.6	96.1	132	97.6
Sum of Anions	4.1	3.3	3.4	4.2	4.1	1.4	3.38	3.57	3.58	3.34	3.7	4.1	4.1	4.1	2.94	5	4.3	2.5	3.4	4.3	3.5
Sum of Cations	3.9	3.2	3.5	4.1	4.1	1.2	3.53	3.6	3.39	3.53	3.5	3.5	3.9	4.1	2.95	4.9	4.3	2.6	3.3	4	3.7
TDS (calculated)	254	206	216	262	257	80	213	222	218	210	227	245	251	261	188	318	273	158	211	267	223
TDS (ratio - measured/calculated)	0.98	1.02	1.02	1.03	1.05	1	1.03	1.1	0.98	1.1	1.05	1.02	1.04	1.15	0.9	1.04	1.01	1.03	0.97	1.05	1.09
Thallium, dissolved	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
Thallium, total												0.0001									
Total Alkalinity	73	52	61	70	68	47	57	62	66	61	65	73	75	60	41	81.7	76.1	48.3	64.7	72.7	71.6
Uranium, dissolved	0.0008	0.0004	0.0007	0.0009	0.0009	0.0001	0.0005	0.0005	0.0005	0.0005	0.0006	0.0009	0.0008	0.0007	0.0003	0.001	0.0008	0.0002	0.0007	0.0007	0.0006
Uranium, total												0.001									
Vanadium, dissolved	0.005	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
Vanadium, total												0.005									
Zinc, dissolved	0.04	0.11	0.11	0.08	0.04	0.01	0.09	0.1	0.09	0.08	0.07	0.02	0.03	0.03	0.04	0.01	0.03	0.05	0.02	0.01	0.06
Zinc, potentially dissolved																				0.024	
Zinc, total												0.05			0.06	2.45	0.04	0.2	0.03	0.02	

Notes: Nondetects presented at detection limit value. Blanks indicate no analysis was performed.

Analyte	UG-5																MWP INLET				
	02/06/13	06/20/13	08/01/13	08/08/13	12/26/13	02/12/14	04/02/14	06/11/14	07/22/14	12/04/14	03/31/15	06/16/15	09/16/15	10/26/15	12/10/15	03/10/16	06/14/17	06/20/17	07/26/17	08/23/17	09/25/17
Aluminum, dissolved		0.03	0.03		0.03	0.03	0.03	0.03	0.03	0.03	0.51	0.03	0.03			0.03	0.03	0.04	0.04	0.03	0.03
Aluminum, total	0.08	0.03	1.82	18	0.12	0.03	0.87	1.76	0.93	8.45	13.8	3.7	0.04			0.04				0.03	
Antimony, dissolved	0.0024	0.0056	0.0051	0.0055	0.0021	0.0016	0.0014	0.0034	0.0046	0.0013	0.014	0.004	0.0016			0.0014	0.0022	0.0036	0.0018	0.0009	0.0009
Antimony, total					0.0031															0.001	
Arsenic, dissolved	0.0024	0.0031	0.0024	0.0015	0.0026	0.0025	0.0009	0.0029	0.0027	0.0019	0.0301	0.0015	0.0034			0.0037	0.0031	0.003	0.0037	0.0025	0.003
Arsenic, total					0.0065															0.0033	
Arsenic, total recoverable								0.07	0.0092	0.0161	0.1878	0.0158	0.0048			0.0042					
Barium, dissolved	0.029	0.014	0.028	0.054	0.028	0.027	0.025	0.077	0.033	0.033	0.156	0.041	0.026			0.028	0.031	0.025	0.035	0.026	0.026
Barium, total					0.033															0.024	
Beryllium, dissolved		0.00005			0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00079	0.00005	0.00005			0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Beryllium, total					0.00005															0.00008	
Bicarbonate as CaCO3	53	46	53	56	59	57	44	45	55.5	56.3	56	55.9	55.8			57.2	58.7	51.7	53.5	55.1	53.5
Boron, dissolved	0.02	0.01			0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.01			0.01	0.01	0.01	0.01	0.01	0.01
Boron, total					0.02															0.01	
Cadmium, dissolved	0.0012	0.0029			0.0014	0.0011	0.001	0.001	0.001	0.0015	0.0047	0.0003	0.0005	0.0011	0.0006	0.0005	0.0004	0.0004	0.0009	0.0008	0.0011
Cadmium, potentially dissolved										0.002	0.0049	0.0011		0.0012	0.001	0.0006					
Cadmium, total					0.0016			0.005	0.0012	0.003	0.0291	0.0067	0.0006			0.0006				0.0009	
Calcium, dissolved	65.3	34.8	45.3	50.6	53.3	61.8	65.5	40.5	44.7	56.8	66.7	40.2	49.4			61	39.1	35.9	41.4	42.9	48.1
Calcium, total					59.9															44.1	
Carbonate as CaCO3		2			2	2	2	2	2	2	2	2	2			2	2.1	2	2	2	2
Cation-Anion Balance	2.5	2	0.9	4.4	-1.5	-2.6	0	4.8	1.8	0	7.1	0	-1.7			-8.9	-2.1	0	0	-5.5	-4.8
Chloride		1	1	1	1	1	1	0.5	0.5	1.1	0.5	0.5	0.8			0.5	0.9	0.9	1.1	0.8	0.8
Chromium, dissolved		0.0005			0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0009	0.0005	0.0005			0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Chromium, total					0.0005															0.0005	
Chromium, total recoverable								0.01													
Chromium, Trivalent Dissolved									0.005	0.005	0.005	0.005	0.005			0.005					
Conductivity @25C	395		289	343	362	393	405	258	276	358	407	254	295			357	279	219	248	278	311
Copper, dissolved		0.0009	0.0005		0.001	0.0005	0.0005	0.0024	0.0005	0.0005	0.0751	0.0016	0.0006	0.0005	0.0005	0.0005	0.0023	0.0018	0.0024	0.001	0.0009
Copper, potentially dissolved										0.0078	0.0676	0.0142		0.001	0.005	0.0006					
Copper, total					0.0024			0.13	0.01	0.02	0.51	0.05	0.01			0.01				0.0021	
Cyanide, total		0.003		0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003			0.003	0.006	0.003	0.003	0.003	0.003
Cyanide, WAD		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									0.005	0.005	0.005	0.005	0.005			0.005					
Fluoride	0.3	0.2	0.2	0.2	0.2	0.2	0.29	0.19	0.25	0.28	0.23	0.13	0.21			0.28	0.22	0.18	0.21	0.2	0.21
Hardness as CaCO3	175	98	123	136	143	165	175	110	122	151	178	110	133								
Hardness as CaCO3 (dissolved)																162	105	98	111	114	128
Hydroxide as CaCO3		2			2	2	2	2	2	2	2	2	2			2	2	2	2	2	2
Iron, dissolved		0.02	0.02		0.02	0.02	0.02	0.02	0.02	0.02	1.93	0.06	0.02			0.02	0.16	0.13	0.21	0.06	0.02
Iron, total	0.11	0.11	1.28	16.3	0.43	0.06	1.74	4.29	1.56	4.84	21.4	5.68	0.12			0.07				0.19	
Iron, total recoverable								4.3	1.52	4.58	21.3	5.46	0.13	0.12	0.07	0.06				0.19	
Lead, dissolved	0.0009	0.0008	0.0087	0.0372	0.0009	0.0002	0.0011	0.0404	0.0054	0.0188	6.14	0.0233	0.0013	0.0011	0.0001	0.0009	0.0333	0.0261	0.0205	0.0039	0.0015
Lead, potentially dissolved											5.92	0.4857		0.0069	0.0036	0.0041					
Lead, total					0.0217			0.78	0.1178	0.4421	10.9	1.25	0.0132	0.0075	0.0039	0.0043				0.0104	
Magnesium, dissolved	2.8	2.7	2.3	2.4	2.3	2.5	2.7	2.1	2.5	2.3	2.9	2.3	2.3			2.3	1.9	2	1.9	1.7	1.9
Magnesium, total					2.7															1.8	
Manganese, dissolved	2.04	3.36	0.035	0.203	1.6	1.06	1.1	0.232	0.874	1.74	4.16	0.119	0.187	1.47	0.2	0.384	0.328	0.334	1.06	0.732	1.25
Manganese, potentially dissolved										2.4	3.8	0.915		1.52	1.05	0.485					
Manganese, total					2.5															0.926	
Mercury, dissolved		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					0.0002			0.0002	0.0002	0.0002	0.0007	0.0002	0.0002	0.0002	0.0002	0.0002				0.0002	
Molybdenum, dissolved	0.0052	0.0018	0.005	0.0085	0.0047	0.0041	0.0039	0.0097	0.008	0.0049	0.0305	0.0107	0.0033			0.0044	0.01	0.0093	0.0044	0.0022	0.0033
Molybdenum, total					0.0059															0.0037	
Nickel, dissolved		0.01			0.01	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
Nickel, total					0.01															0.008	
Nitrate/Nitrite as N	0.15	0.23	1.34	6.08	0.44	0.34	1.08	1.56	0.45	1.36	1.58	0.73	0.3			0.22	0.27	0.32	0.18	0.15	0.17
Oil and Grease									2.02	2	2	2				2.1					
pH	8.1	8.1	8.2	8.1	8.1	8.1	8	8.1	8	7.9	7.9	8.2	8.1	8	8.1	8.1	8.4	8	7.8	8.1	7.9
pH measured at	23	19	20	21	22	22	21	20	20	19.4	20.8	20.5	19.2	20.5	22.4	23.1	22.6	19.6	21.8	21.9	22
Phosphorus, ortho dissolved	0.01	0.01	0.03	0.01	0.01	0.01	0.02	0.04	0.02	0.05	0.03	0.03	0.01			0.02	0.02	0.02	0.02	0.02	0.02
Potassium, dissolved	0.6	0.6	0.8	1	0.6	0.5	0.5	0.7	0.7	0.6	1	0.8	0.5			0.4	0.4	0.6	0.3	0.2	0.4
Potassium, total					0.6															0.3	
Residue, Filterable (TDS) @180C	280	150	172	220	230	250	300	150	170	232	266	156	180			246	168	152	172	164	198
Residue, Non-Filterable (TSS) @105C		5	21	940	8	5	23	92	22	119	528	56	5	5	5	5	5	5	5	5	5
Selenium, dissolved	0.0004	0.0003	0.0006	0.0012	0.0005	0.0003	0.0004	0.0006	0.0005	0.0005	0.0007	0.0006	0.0004			0.0004	0.0003	0.0004	0.0003	0.0003	0.0004
Selenium, total					0.0004															0.0005	
Silica, dissolved	7.9	5.7	6.2	6.4	7.7	7.6	7.9	6.5	6.2	7.6	8.9	6.2	7			7.4	6.4	5.8	6.7	6.5	7.2
Silica, total					8.7															6.8	
Silver, dissolved		0.00005			0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00053	0.00005	0.00005	0.00005	0.00005	0.00005	0.00011	0.00017	0.00011	0.00005	0.00005
Silver, potentially dissolved										0.00014	0.00039	0.00013		0.00005	0.00005	0.00005					
Silver, total					0.00037															0.0004	
Sodium, dissolved	8.7	5.7	5.9	6.7	6.7	7.5	8.1	4.3	5	6.8	8.2	4.1	5.6			7.3	3.9	3.6	4.7	5.1	6.1
Sodium, total					7.3															5.3	
Sulfate	135	72	75.9	78.3	107	130	145	61.5	76.5	112	133	61.6	87.3			147	54	53.8	63.9	85.3	103
Sum of Anions	3.9	2.4	2.69	2.8	3.4	3.9	4	2.2	2.7	3.5	3.9	2.4	3			4.3	2.4	2.2	2.5	2.9	3.3
Sum of Cations	4.1	2.5	2.74	3.06	3.3	3.7	4	2.42	2.8	3.5	4.5	2.4	2.9			3.6	2.3	2.2	2.5	2.6	3
TDS (calculated)	255	154	170	180	215	246	259	145	172	226	266	151	189			263	146	137	156	179	204
TDS (ratio - measured/calculated)	1.1	0.97	1.01	1.22	1.07	1.02	1.16	1.03	0.99	1.03	1	1.03	0.95			0.94	1.15	1.11	1.1	0.92	0.97
Thallium, dissolved		0.0001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001			0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Thallium, total					0.0001															0.0001	
Total Alkalinity	53	46	53	56	59	57	44	45	55.5	56.3	56	55.9	55.8			57.2	60.8	51.7	53.5	55.1	53.5
Uranium, dissolved	0.0004	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0003			0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
Uranium, total					0.0004															0.0003	
Vanadium, dissolved	0.007	0.005			0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005			0.005	0.005	0.005	0.005	0.005	0.005
Vanadium, total					0.005															0.005	
Zinc, dissolved	0.47	0.89	0.03	0.02	0.42	0.35	0.37	0.06	0.18	0.33	1.65	0.04	0.17	0.373	0.161	0.18	0.12	0.12	0.3	0.23	0.36
Zinc, potentially dissolved										0.553	1.45	0.365		0.399	0.34	0.234					
Zinc, total					0.59			1.05	0.37	0.8	6.28	0.82	0.2			0.22				0.27	

Notes: Nondetects presented at detection limit value. Blanks indicate no analysis was performed.