

## Annual Inorganics Analysis - 2018

PARAMETER	UNITS	MCL	Well 6	Well 7	Well 8	Well 9	Well 11	Well 12	Well 13	Well 14	Well 15	Well 16	Well 17	Well 18	Well 19	Well 20	Well 24	Well 25	Well 26	Well 27	Well 28	Well 29	Well 30	Well 31	PARAMETER
	Sample Date		7/10/18	7/10/18	8/14/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	8/14/18	7/10/18	7/10/18	7/10/18	7/10/18	7/10/18	8/14/18	8/14/18	7/10/18	7/10/18	7/10/18	7/10/18	Sample Date
Alkalinity (CaCO <sub>3</sub> )	mg/L	--	346	336	308	340	349	283	326	353	317	293	275	285	288	275	276	325	294	318	279	317	271	340	Alkalinity (CaCO <sub>3</sub> )
Aluminum	µg/L	--	2.5	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	6.5	<1.7	<1.7	<1.7	<1.7	<1.7	1.7	<1.7	3.3	2.3	<1.7	<1.7	<1.7	<1.7	<5.0	Aluminum
Antimony	µg/L	6	0.59	<0.24	<0.24	<0.24	<0.24	<0.24	0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	1.1	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.13	Antimony
Arsenic	µg/L	10	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.50	Arsenic
Barium	µg/L	2000	26	34	33	29	19	14	34	61	9.5	17	21	15	17	10	13	7.5	22	26	14	50	16	6.5	Barium
Beryllium	µg/L	4	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.13	Beryllium
Cadmium	µg/L	5	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.10	Cadmium
Calcium	mg/L	--	88	73	66	80	84	60	76	99	80	70	62	62	63	56	56	60	66	75	62	70	56	61	Calcium
Chloride	mg/L	--	76	<6.0	<6.0	51	61	<6.0	44	140	53	49	34	<6.0	<6.0	<6.0	<6.0	<6.0	27	38	<6.0	<6.0	<6.0	<2.5	Chloride
Chromium, Total	µg/L	100	4.3	2.2	1.6	3.2	3.2	2.6	3.3	4.0	2.4	2.5	1.7	2.3	2.0	2.2	1.8	2.8	2.0	1.2	1.7	2.1	1.7	<0.58	Chromium, Total
Chromium, Hexavalent	µg/L	--	1.8*	<0.02 <sup>#</sup>	<0.02*	1.0 <sup>*</sup>	0.75 <sup>#</sup>	0.64 <sup>#</sup>	1.3 <sup>#</sup>	2.0 <sup>*</sup>	0.58 <sup>#</sup>	1.2 <sup>*</sup>	<0.02*	0.54 <sup>#</sup>	<0.02 <sup>#</sup>	0.60 <sup>#</sup>	<0.02 <sup>#</sup>	0.55 <sup>#</sup>	0.44 <sup>#</sup>	<0.02*	<0.02 <sup>#</sup>	0.05 <sup>#</sup>	<0.02 <sup>#</sup>	<0.02*	Chromium, Hexavalent
Conductivity	µmhos / cm	--	943	702	633	848	895	544	818	1170	851	746	659	599	563	522	543	603	626	739	552	624	546	615	Conductivity
Copper	µg/L	1300	9.6	2.6	3.4	18	640	4.9	9.7	9.7	17	7.8	2.8	2.6	11	12	3.3	40	3.1	4.9	1.3	3.5	3.0	42	Copper
Fluoride	mg/L	4	0.78	0.84	0.82	0.82	0.85	0.86	0.86	0.72	0.83	0.87	1.13	0.80	0.82	0.87	0.87	0.82	0.71	0.77	0.80	0.83	0.83	n/s	Fluoride
Hardness (CaCO <sub>3</sub> )	mg/L	--	410	359	323	388	416	286	368	457	384	331	311	300	290	276	278	317	306	346	293	323	273	350	Hardness (CaCO <sub>3</sub> )
Iron	mg/L	--	0.01	0.02	0.54	<0.01	0.01	0.01	0.02	<0.01	0.01	<0.01	0.12	0.01	0.20	<0.01	0.20	0.06	0.01	0.14	0.18	0.01	0.20	<0.02	Iron
Lead	µg/L	15	<0.09	<0.09	<0.09	0.09	0.25	<0.09	0.20	<0.09	<0.09	<0.09	<0.09	0.09	0.32	0.13	0.14	<0.09	<0.09	<0.09	0.15	<0.09	<0.09	<0.10	Lead
Magnesium	mg/L	--	47	43	38	46	50	33	43	51	45	38	38	35	33	34	34	41	35	39	33	36	32	47	Magnesium
Manganese	µg/L	--	0.3	1.1	45	0.6	7.7	3.2	1.6	0.3	2.4	12	29	1.7	36	0.9	26	3.3	4.8	33	20	0.6	13	3.1	Manganese
Mercury	µg/L	2	<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	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.03	Mercury
Nickel	µg/L	100	1.9	1.6	1.1	1.6	2.7	1.8	1.6	1.9	1.7	2.7	1.0	1.3	1.6	1.4	1.1	1.8	1.4	2.7	1.7	1.5	1.0	<0.50	Nickel
Nitrogen-Nitrate	mg/L	10	3.36	<0.10	<0.10	1.72	2.57	0.91	4.04	3.39	2.66	1.87	<0.10	0.71	<0.10	0.40	<0.10	0.84	2.87	0.33	<0.10	1.46	<0.10	<0.05	Nitrogen-Nitrate
Nitrogen-Nitrite	mg/L	1	<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	<0.05	Nitrogen-Nitrite
pH (Lab)	s.u.	--	7.4	7.5	7.2	7.2	7.2	8.0	7.3	7.9	7.9	7.3	7.1	7.4	7.6	7.6	8.1	7.4	7.3	7.9	7.6	7.3	7.4	7.5	pH (Lab)
Selenium	µg/L	50	<1.7	<1.7	<1.7	1.2 <sup>#</sup>	0.8 <sup>#</sup>	<1.7	2.0 <sup>#</sup>	1.3 <sup>#</sup>	1.5 <sup>#</sup>	0.6 <sup>#</sup>	<1.7	<1.7	<1.7	<1.7	<1.7	1.7 <sup>#</sup>	<1.7	<1.7	<1.7	1.3 <sup>#</sup>	<1.7	<2.0	Selenium
Silver	µg/L	--	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.13	Silver
Sodium	mg/L	--	28	7.4	9.6	21	24	2.5	19	51	23	21	15	6.2	4.5	2.3	5.3	3.3	11	17	2.4	3.7	3.9	3.3	Sodium
Strontium	µg/L	--	142	125	70	95	103	63	81	84	80	61	80	86	91	53	72	64	56	91	50	77	103	73	Strontium
Sulfate	mg/L	--	33	38	22	26	32	11	23	30	52	21	39	20	9.4	9.8	16	7.4	19	114	26	12	23	7.8	Sulfate
Thallium	µg/L	2	<0.10	<0.10	<0.10	<0.10	0.15	<0.10	<0.10	<0.10	0.14	0.27	0.11	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	0.18	0.10	<0.10	<0.10	<0.10	Thallium
Total Solids	mg/L	--	460	396	278	430	458	262	438	604	446	360	328	266	288	248	264	286	308	348	262	244	258	320	Total Solids
Zinc	µg/L	--	3.1	2.0	5.0	3.7	12	7.9	3.1	2.8	1.6	7.3	9.9	2.2	3.0	5.8	2.9	1.7	1.4	4.7	7.4	2.7	3.6	<5.0	Zinc

MCL - Maximum Contaminant Level

<sup>#</sup> tested March 19, 2018

\* tested August 9, 2018

<sup>\*</sup>tested October 17, 2018