

Category	CHEMICAL NAME	RESULT UNIT	No. results	Min	Median	Max	Trigger Val.	LIMIT OF DETECTION	18/04/2021	21/04/2021	26/04/2021	27/04/2021	28/04/2021	04/05/2021	05/05/2021	09/05/2021	11/05/2021	12/05/2021	16/05/2021	17/05/2021	18/05/2021	19/05/2021	
General, anions, cations and metal	pH - Lab	pH Unit	15	6.82	7.25	7.57	7.09	0.01	7.09	6.82	7.33	7.40	7.17	7.23	7.57	7.46	7.25	7.37	7.24	7.32	7.37	7.02	
	Electrical Conductivity @ 25°C	µS/cm	15	1100	1180	1200	1241.25	1	1200	1200	1200	1210	1210	1180	1200	1160	1170	1180	1180	1180	1180	1180	
	Total Dissolved Solids @180°C	mg/L	15	646	712	809	866.63	1	755	712	695	846	785	809	750	671	713	730	673	696	646	668	
	Suspended Solids (SS)	mg/L	14	2	3.5	6	5.50	1	2	3	4	2	6	3	4	4	6	3	4	<1	<1	4	
	Gross beta	Bq/L	15	0.24	0.68	0.76	0.85	0.10	0.67	0.76	0.69	0.87	0.79	0.73	0.76	0.24	0.37	0.7	0.68	0.68	0.68	0.68	0.73
	Hydroxide Alkalinity as CaCO3	mg/L	0	<1	-	<1	>1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Carbonate Alkalinity as CaCO3	mg/L	0	<1	-	<1	>1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Bicarbonate Alkalinity as CaCO3	mg/L	15	431	458	514	545.88	1	458	438	461	467	468	456	472	436	433	442	483	478	483	509	
	Total Alkalinity as CaCO3	mg/L	15	431	458	514	545.88	1	458	438	461	467	468	456	472	436	433	442	483	478	483	509	
	Sulfate as SO4 2-	mg/L	15	73	86	101	94.38	1	86	85	88	104	84	82	101	86	88	89	89	89	88	85	
	Chloride	mg/L	15	67	84	98	102.25	1	95	86	98	102	84	88	84	91	84	88	84	84	81	77	
	Calcium D	mg/L	15	120	132	142	147.50	1	136	120	133	148	135	141	142	129	134	127	132	132	133	136	
	Magnesium D	mg/L	15	46	49	52	52.63	1	48	46	51	54	52	50	50	48	52	49	49	49	50	52	
	Sodium D	mg/L	15	40	49	52	53.00	1	50	47	52	53	53	49	49	48	49	50	49	49	48	50	
	Potassium D	mg/L	15	15	20	22	22.50	1	21	19	22	22	21	21	20	21	21	22	21	21	21	22	
	Calcium T	mg/L	15	122	138	152	166.75	1	139	139	132	150	145	146	152	142	138	146	126	133	130	135	
	Magnesium T	mg/L	15	48	50	56	59.00	1	53	54	49	57	50	53	50	50	49	50	49	51	50	54	
	Sodium T	mg/L	15	43	48	55	59.25	1	54	55	50	54	51	51	53	50	47	48	48	49	48	52	
	Potassium T	mg/L	15	15	21	23	25.00	1	23	22	23	20	22	23	21	21	22	20	21	20	22	22	
	Arsenic D	mg/L	1	0.002	0.002	0.002	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Barium D	mg/L	15	0.107	0.131	0.149	0.16	0.001	0.147	0.12	0.149	0.157	0.145	0.134	0.142	0.134	0.135	0.127	0.127	0.12	0.124	0.131	
	Cadmium D	mg/L	1	0.0002	0.0002	0.0002	>0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	
	Chromium D	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Copper D	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Lead D	mg/L	1	0.002	0.002	0.002	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	
	Lithium D	mg/L	15	0.013	0.038	0.042	0.05	0.001	0.037	0.035	0.035	0.042	0.044	0.04	0.036	0.038	0.04	0.037	0.039	0.04	0.042	0.043	
	Manganese D	mg/L	15	0.222	0.4	0.73	0.71	0.001	0.488	0.528	0.532	0.802	0.533	0.431	0.533	0.73	0.4	0.398	0.387	0.375	0.406	0.401	
	Selenium D	mg/L	0	<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	
	Silver D	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Strontium D	mg/L	15	0.417	0.534	0.558	0.61	0.001	0.528	0.417	0.553	0.545	0.559	0.502	0.517	0.498	0.543	0.551	0.544	0.534	0.534	0.571	
	Zinc D	mg/L	13	0.005	0.007	0.016	0.01	0.005	0.007	0.006	0.006	0.009	0.008	0.007	0.007	<0.005	<0.005	0.007	0.008	0.005	0.006	0.007	
	Boron D	mg/L	15	0.08	0.11	0.15	0.15	0.05	0.1	0.11	0.1	0.14	0.12	0.12	0.1	0.1	0.1	0.11	0.15	0.14	0.12	0.22	
	Iron D	mg/L	15	0.09	0.22	0.38	0.70	0.05	0.32	0.38	0.45	0.99	0.33	0.22	0.33	0.92	0.22	0.13	0.13	0.18	0.17	0.18	
	Arsenic T	mg/L	1	0.003	0.003	0.003	>0.001	0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Barium T	mg/L	15	0.11	0.138	0.157	0.16	0.001	0.142	0.142	0.148	0.160	0.149	0.137	0.157	0.139	0.122	0.135	0.139	0.132	0.132	0.138	
	Cadmium T	mg/L	1	0.0002	0.0002	0.0002	>0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	
	Chromium T	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Copper T	mg/L	1	0.004	0.004	0.004	>0.001	0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Lead T	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Lithium T	mg/L	15	0.032	0.04	0.043	0.05	0.001	0.036	0.036	0.041	0.044	0.038	0.04	0.042	0.038	0.04	0.038	0.042	0.042	0.042	0.041	
	Manganese T	mg/L	15	0.226	0.418	0.768	0.67	0.001	0.491	0.502	0.553	0.823	0.536	0.449	0.768	0.422	0.369	0.432	0.378	0.418	0.409	0.398	
	Selenium T	mg/L	0	<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	
	Silver T	mg/L	0	<0.001	-	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Strontium T	mg/L	15	0.495	0.53	0.565	0.58	0.001	0.533	0.538	0.528	0.546	0.545	0.518	0.547	0.539	0.516	0.53	0.542	0.507	0.517	0.574	
	Zinc T	mg/L	13	0.006	0.009	0.022	0.01	0.005	0.006	0.008	0.008	0.008	0.008	0.007	0.007	<0.005	0.006	0.002	0.009	0.009	0.009	0.010	
Boron T	mg/L	15	0.08	0.11	0.14	0.15	0.05	0.1	0.1	0.12	0.15	0.11	0.12	0.12	0.09	0.12	0.11	0.12	0.14	0.13	0.14		
Iron T	mg/L	15	0.09	0.3	0.53	0.53	0.05	0.31	0.34	0.5	1.16	0.48	0.3	0.94	0.23	0.09	0.23	0.21	0.27	0.23	0.23		
Mercury D	mg/L	0	<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		
Mercury T	mg/L	0	<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		
Reactive Silica	mg/L	15	29.3	30.5	32	32.80	0.05	30	29.9	29.3	29.5	31.1	29.9	31.1	29.8	30.4	31.9	30.3	31	29.7	29.7		
Fluoride	mg/L	15	0.3	0.4	0.4	0.55	0.1	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4		
Nitrite as N	mg/L	0	<0.01	-	<0.01	>0.01	0.0																



Category	CHEMICAL NAME	RESULT UNIT	No. results	Min	Median	Max	Trigger Val.	LIMIT OF DETECTION	18/04/2021	21/04/2021	26/04/2021	27/04/2021	28/04/2021	04/05/2021	05/05/2021	09/05/2021	11/05/2021	12/05/2021	16/05/2021	17/05/2021	18/05/2021	19/05/2021	23/05/2021	
General, anions, cations and metal	pH - Lab	pH Unit	15	6.91	7.25	7.68	7.68	0.01	7.28	7.03	7.39	7.41	7.13	7.22	7.68	7.5	7.21	7.25	7.34	7.35	7.41	7.03	7.23	
	Electrical Conductivity @ 25°C	µS/cm	15	1150	1200	1340	1255.00	1	1210	1340	1240	1190	1220	1200	1180	1170	1200	1200	1200	1200	1220	1180	1190	
	Total Dissolved Solids @180°C	mg/L	15	680	740	807	887.75	10	780	758	710	844	760	795	702	740	726	770	770	680	692	645	806	
	Suspended Solids (SS)	mg/L	10	2	4.5	8	15.50	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Gross beta	Bq/L	15	0.2	0.68	1.15	---	0.10	0.88	0.98	0.87	0.72	0.83	0.68	0.66	0.66	0.2	0.76	0.67	0.67	0.83	0.67	0.77	
	Hydroxide Alkalinity as CaCO3	mg/L	0	<1	--	<1	>1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	Carbonate Alkalinity as CaCO3	mg/L	0	<1	--	<1	>1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
	Bicarbonate Alkalinity as CaCO3	mg/L	15	426	468	494	505.63	1	432	478	458	475	464	472	491	430	468	476	478	461	476	480	464	
	Total Alkalinity as CaCO3	mg/L	15	426	468	494	505.63	1	432	478	458	475	464	472	491	430	468	476	478	461	476	480	464	
	Sulfate as SO4 2-	mg/L	15	85	101	129	116.75	1	129	123	102	87	100	99	85	100	101	107	104	104	100	106	97	
	Chloride	mg/L	15	74	89	105	101.50	1	87	83	105	96	97	91	81	96	87	89	91	91	91	85	81	
	Calcium D	mg/L	15	117	132	149	153.50	1	137	134	131	148	147	147	147	146	128	135	119	117	134	139	130	
	Magnesium D	mg/L	15	46	53	55	57.13	1	53	53	53	52	56	54	50	50	51	53	47	46	53	55	52	
	Sodium D	mg/L	15	42	49	52	54.88	1	48	50	52	52	54	51	50	50	49	50	45	45	50	52	48	
	Potassium D	mg/L	15	14	19	23	25.25	1	20	19	20	22	20	22	19	23	19	19	16	16	18	20	14	
	Calcium T	mg/L	15	126	143	152	176.25	1	151	144	132	148	147	147	147	152	146	143	150	131	128	143	135	
	Magnesium T	mg/L	15	50	53	61	61.38	1	61	61	61	53	53	55	52	52	53	53	54	52	51	56	54	
	Sodium T	mg/L	15	46	50	54	56.13	1	52	54	51	52	51	51	51	52	50	50	49	48	53	52	48	
	Potassium T	mg/L	15	14	18	22	25.50	1	21	21	21	21	20	24	18	22	20	18	19	18	18	21	19	
	Arsenic D	mg/L	13	0.002	0.002	0.003	0.00	0.001	0.002	0.002	0.003	0.003	<0.001	0.003	0.003	<0.001	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002
	Barium D	mg/L	15	0.117	0.139	0.161	0.19	0.001	0.117	0.126	0.161	0.150	0.154	0.155	0.14	0.137	0.154	0.128	0.128	0.124	0.134	0.145	0.152	
	Cadmium D	mg/L	1	0.0002	0.0002	0.0002	>0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	
	Chromium D	mg/L	0	<0.001	--	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Copper D	mg/L	0	<0.001	--	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Lead D	mg/L	1	0.002	0.002	0.002	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	
	Lithium D	mg/L	15	0.018	0.041	0.046	0.05	0.001	0.046	0.042	0.036	0.041	0.044	0.041	0.041	0.037	0.039	0.041	0.036	0.037	0.046	0.046	0.043	
	Manganese D	mg/L	15	0.462	0.707	0.83	1.02	0.001	0.564	0.63	0.83	0.544	0.806	0.797	0.462	0.797	0.462	0.792	0.672	0.618	0.724	0.748	0.752	
	Selenium D	mg/L	0	<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	
	Silver D	mg/L	0	<0.001	--	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Strontium D	mg/L	15	0.489	0.543	0.58	0.65	0.001	0.543	0.493	0.564	0.536	0.575	0.542	0.545	0.494	0.551	0.505	0.489	0.559	0.548	0.611	0.566	
	Zinc D	mg/L	15	0.005	0.008	0.005	0.01	0.005	0.006	0.005	0.008	0.007	0.008	0.008	0.008	0.008	0.009	0.007	0.008	0.008	0.005	0.006	0.008	0.009
	Boron D	mg/L	15	0.1	0.13	0.17	0.17	0.05	0.13	0.13	0.1	0.13	0.14	0.14	0.1	0.12	0.12	0.12	0.14	0.14	0.14	0.14	0.17	
	Iron D	mg/L	15	0.23	1.05	1.43	2.28	0.05	0.42	0.5	1.04	0.45	1.06	1.29	0.23	1.19	1.43	0.44	0.86	1.05	1.17	0.88	1.13	
	Arsenic T	mg/L	14	0.001	0.002	0.003	0.00	0.001	0.002	0.002	0.002	<0.001	0.003	0.003	<0.001	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.002	
	Barium T	mg/L	15	0.123	0.151	0.167	0.19	0.001	0.123	0.123	0.159	0.159	0.151	0.159	0.153	0.156	0.156	0.144	0.154	0.138	0.159	0.148	0.151	
	Cadmium T	mg/L	0	<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	
	Chromium T	mg/L	2	0.003	0.003	0.003	>0.001	0.001	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	
	Copper T	mg/L	0	<0.001	--	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Lead T	mg/L	2	0.001	0.0035	0.006	>0.001	0.001	0.006	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
	Lithium T	mg/L	15	0.034	0.042	0.046	0.05	0.001	0.046	0.043	0.043	0.040	0.040	0.041	0.041	0.04	0.04	0.041	0.041	0.043	0.044	0.044	0.043	
	Manganese T	mg/L	15	0.46	0.727	0.83	1.06	0.001	0.581	0.604	0.83	0.548	0.809	0.803	0.46	0.778	0.759	0.708	0.738	0.817	0.704	0.684	0.684	
	Selenium T	mg/L	0	<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	
	Silver T	mg/L	0	<0.001	--	<0.001	>0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Strontium T	mg/L	15	0.487	0.54	0.607	0.61	0.001	0.548	0.539	0.54	0.530	0.562	0.525	0.517	0.545	0.546	0.557	0.563	0.566	0.585	0.609	0.487	
	Zinc T	mg/L	14	0.006	0.0095	0.016	0.02	0.005	0.009	0.006	0.01	0.007	0.007	0.008	0.008	0.006	0.006	0.013	0.012	0.009	0.008	0.012	0.009	
	Boron T	mg/L	15	0.1	0.13	0.16	0.16	0.05	0.13	0.13	0.13	0.13	0.13	0.14	0.1	0.11	0.13	0.12	0.13	0.16	0.1	0.15	0.13	
	Iron T	mg/L	15	0.28	1.24	2.98	2.98	0.05	2.18	2.98	1.18	0.50	1.17	1.24	0.28	1.22	1.57	1.24	1.19	1.4	1.05	1.05	1.05	
	Mercury D	mg/L	0	<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	
	Mercury T	mg/L	0	<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	
	Reactive Silica	mg/L	15	26.1	30	31.3	31.99	0.05	27															

