



## Analytical Results

Sub-Matrix: Water					Client sample ID	GB#1 Solids Routine	GB#2 Solids Routine	GB#3 Total Metals	GB#4 Total Metals	GB#5 Total Mercury
(Matrix: Water)					Client sampling date / time	25-May-2022 13:55	25-May-2022 13:57	25-May-2022 13:59	25-May-2022 14:00	25-May-2022 14:02
Analyte	CAS Number	Method	LOR	Unit	VA22B1761-001	VA22B1761-002	VA22B1761-003	VA22B1761-004	VA22B1761-005	
					Result	Result	Result	Result	Result	
<b>Physical Tests</b>										
alkalinity, total (as CaCO3)	----	E290	1.0	mg/L	217	198	----	----	----	
colour, true	----	E329	5.0	CU	<5.0	<5.0	----	----	----	
conductivity	----	E100	2.0	µS/cm	495	495	----	----	----	
pH	----	E108	0.10	pH units	8.46	8.46	----	----	----	
solids, total dissolved [TDS]	----	E162	10	mg/L	298	317	----	----	----	
turbidity	----	E121	0.10	NTU	<0.10	0.14	----	----	----	
<b>Anions and Nutrients</b>										
chloride	16887-00-6	E235.Cl	0.50	mg/L	14.8	14.8	----	----	----	
fluoride	16984-48-8	E235.F	0.020	mg/L	0.076	0.077	----	----	----	
nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.158	0.158	----	----	----	
nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	<0.0010	<0.0010	----	----	----	
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	55.8	56.3	----	----	----	
<b>Total Metals</b>										
aluminum, total	7429-90-5	E420	0.0030	mg/L	----	----	<0.0030	<0.0030	----	
antimony, total	7440-36-0	E420	0.00010	mg/L	----	----	0.00010	0.00011	----	
arsenic, total	7440-38-2	E420	0.00010	mg/L	----	----	0.00340	0.00329	----	
barium, total	7440-39-3	E420	0.00010	mg/L	----	----	0.0200	0.0195	----	
beryllium, total	7440-41-7	E420	0.000020	mg/L	----	----	<0.000020	<0.000020	----	
bismuth, total	7440-69-9	E420	0.000050	mg/L	----	----	<0.000050	<0.000050	----	
boron, total	7440-42-8	E420	0.010	mg/L	----	----	0.287	0.281	----	
cadmium, total	7440-43-9	E420	0.0000050	mg/L	----	----	<0.0000050	<0.0000050	----	
calcium, total	7440-70-2	E420	0.050	mg/L	----	----	48.7	48.7	----	
cesium, total	7440-46-2	E420	0.000010	mg/L	----	----	<0.000010	<0.000010	----	
chromium, total	7440-47-3	E420	0.00050	mg/L	----	----	0.00521	0.00503	----	
cobalt, total	7440-48-4	E420	0.00010	mg/L	----	----	<0.00010	<0.00010	----	
copper, total	7440-50-8	E420	0.00050	mg/L	----	----	0.00123	0.00111	----	
iron, total	7439-89-6	E420	0.010	mg/L	----	----	0.027	0.029	----	
lead, total	7439-92-1	E420	0.000050	mg/L	----	----	0.000270	0.000229	----	
lithium, total	7439-93-2	E420	0.0010	mg/L	----	----	0.0075	0.0072	----	
magnesium, total	7439-95-4	E420	0.0050	mg/L	----	----	31.4	30.8	----	



## Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	GB#1 Solids Routine	GB#2 Solids Routine	GB#3 Total Metals	GB#4 Total Metals	GB#5 Total Mercury
Client sampling date / time					25-May-2022 13:55	25-May-2022 13:57	25-May-2022 13:59	25-May-2022 14:00	25-May-2022 14:02	
Analyte	CAS Number	Method	LOR	Unit	VA22B1761-001 Result	VA22B1761-002 Result	VA22B1761-003 Result	VA22B1761-004 Result	VA22B1761-005 Result	
<b>Total Metals</b>										
manganese, total	7439-96-5	E420	0.00010	mg/L	----	----	0.00046	0.00045	----	
mercury, total	7439-97-6	E508	0.000050	mg/L	----	----	----	----	<0.000050	
molybdenum, total	7439-98-7	E420	0.00050	mg/L	----	----	0.00445	0.00437	----	
nickel, total	7440-02-0	E420	0.00050	mg/L	----	----	0.00215	0.00219	----	
phosphorus, total	7723-14-0	E420	0.050	mg/L	----	----	<0.050	<0.050	----	
potassium, total	7440-09-7	E420	0.050	mg/L	----	----	4.24	4.16	----	
rubidium, total	7440-17-7	E420	0.00020	mg/L	----	----	0.00057	0.00051	----	
selenium, total	7782-49-2	E420	0.00050	mg/L	----	----	0.00171	0.00175	----	
silicon, total	7440-21-3	E420	0.10	mg/L	----	----	9.58	9.70	----	
silver, total	7440-22-4	E420	0.000010	mg/L	----	----	<0.000010	<0.000010	----	
sodium, total	7440-23-5	E420	0.050	mg/L	----	----	7.24	7.00	----	
strontium, total	7440-24-6	E420	0.00020	mg/L	----	----	0.192	0.192	----	
sulfur, total	7704-34-9	E420	0.50	mg/L	----	----	19.6	19.8	----	
tellurium, total	13494-80-9	E420	0.00020	mg/L	----	----	<0.00020	<0.00020	----	
thallium, total	7440-28-0	E420	0.000010	mg/L	----	----	<0.000010	<0.000010	----	
thorium, total	7440-29-1	E420	0.00010	mg/L	----	----	<0.00010	<0.00010	----	
tin, total	7440-31-5	E420	0.00010	mg/L	----	----	<0.00010	<0.00010	----	
titanium, total	7440-32-6	E420	0.00030	mg/L	----	----	<0.00030	<0.00030	----	
tungsten, total	7440-33-7	E420	0.00010	mg/L	----	----	<0.00010	<0.00010	----	
uranium, total	7440-61-1	E420	0.000010	mg/L	----	----	0.000106	0.000106	----	
vanadium, total	7440-62-2	E420	0.00050	mg/L	----	----	0.00067	0.00067	----	
zinc, total	7440-66-6	E420	0.0030	mg/L	----	----	<0.0030	<0.0030	----	
zirconium, total	7440-67-7	E420	0.00020	mg/L	----	----	<0.00020	<0.00020	----	

Please refer to the General Comments section for an explanation of any qualifiers detected.



**Analytical Results**

Sub-Matrix: <b>Water</b>					<i>Client sample ID</i>	<b>GB#6 Total Mercury</b>	----	----	----	----
(Matrix: <b>Water</b> )										
					<i>Client sampling date / time</i>	25-May-2022 14:04	----	----	----	----
<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>LOR</i>	<i>Unit</i>	<b>VA22B1761-006</b>	-----	-----	-----	-----	-----
					Result	---	---	---	---	---
<b>Total Metals</b>										
<b>mercury, total</b>	7439-97-6	E508	0.0000050	mg/L	<0.0000050	----	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.