

Table 1: Field, General Parameters, Inorganics and Carbon in Water

Field, General Parameters, Inorganics and Carbon																		
Temperature (field)	pH (field)	Electrical Conductivity (field)	Dissolved Oxygen (field)	Oxidation-Reduction Potential (field)	pH	Hardness	Total Suspended Solids	Alkalinity (Total) (as CaCO3)	Alkalinity, bicarbonate	Alkalinity, carbonate	Alkalinity-P	Hydroxide	Cyanide (SAD)	Sulphur (as S)				
						0.5	1	1	1	1	1	1	0.0005	3				
deg C	pH	µS/cm	mg/L	mV	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
SS-Lupin Mine Tailings Containment Area Effluent LUP-10															ng	6.0-9.5	ng	ng

Site Area	Sample Location	Sample Date	Sample ID															
Pond 2	LUP-10A	2026-Jun-24	LUP-10A	5.7	6.33	452.9	11.67	301.4	6.22	107	< 1.0	17	21	< 1.0	< 1.0	< 1.0	0.00053	49.5

Notes:

- <

RDL

µS/cm

deg C

mg/L

mV

pH

ng

SS-Lupin Mine Tailings Containment Area Effluent LUP-10
- less than reported detection limit

reported detection limit

microsiemen per centimetre

degree Celsius

milligram per litre

millivolts

potential of hydrogen

no guideline

Nunavut Water Board, Water Licence No.2AM-LUP2032, Tailings Containment Area Monitoring Program Station LUP-10, Part E, Item 5, Maximum Average Concentration



Table 2: Total Metals in Water

RDL					Total Metals																	
	Temperature (field)																					
	pH (field)				Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium III+VI	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury
	deg C	pH	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SS-Lupin Mine Tailings Containment Area Effluent LUP-10	ng	6.0-9.5	6.0-9.5	ng	ng	ng	0.5	ng	ng	ng	ng	ng	ng	ng	ng	0.15	ng	0.1	ng	ng	ng	ng

Site Area	Sample Location	Sample Date	Sample ID																						
Locations	LUP-10A	2026-Jun-24	LUP-10A	5.7	6.33	6.22	107	0.0256	< 0.00050	0.00256	0.0131	< 0.00010	< 0.0010	< 0.05	0.000172	31.5	< 0.0010	0.0177	0.00208	0.099	0.00092	0.016	6.92	0.566	< 0.0000019

Notes:

<

RDL

deg C

mg/L

pH

ng

less than reported detection limit

reported detection limit

degree Celsius

milligram per litre

potential of hydrogen

no guideline

SS-Lupin Mine Tailings Containment Area Effluent LUP-10

Nunavut Water Board, Water Licence No.2AM-LUP2032, Tailings Containment Area Monitoring Program Station LUP-10, Part E, Item 5, Maximum Average Concentration

Table 2: Total Metals in Water

				Total Metals															
				Molybdenum	Nickel	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
RDL				0.001	0.001	0.05	0.0001	0.1	0.00002	0.05	0.001	0.00001	0.005	0.005	0.001	0.0001	0.005	0.005	0.0001
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SS-Lupin Mine Tailings Containment Area Effluent LUP-10				ng	0.2	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	0.4	ng

Site Area	Sample Location	Sample Date	Sample ID																
Locations	LUP-10A	2026-Jun-24	LUP-10A	< 0.0010	0.0528	2.73	< 0.00010	1.18	< 0.000020	34.2	0.143	< 0.000010	< 0.0050	< 0.0050	< 0.0010	< 0.00010	< 0.0050	0.164	< 0.00010

Notes:

<

RDL

deg C

mg/L

pH

ng

SS-Lupin Mine Tailings Containment Area Effluent LUP-10

less than reported detection limit

reported detection limit

degree Celsius

milligram per litre

potential of hydrogen

no guideline

Nunavut Water Board, Water Licence No.2A