

**TABLE 2-4
EXHIBIT 314B - OTTER CREEK MINE
ANALYTICAL PARAMETERS –SURFACE WATER**

Analyte	Method	Reporting Limit	Units	Holding Time (Days)	Preservative
FIELD PARAMETERS					
Specific Conductance	Field	1	µmhos/cm	NA	NA
pH	Field	0.01	s.u.	NA	NA
Temperature (ambient air)	Field	0.1	° C	NA	NA
Temperature (ambient water)	Field	0.1	° C	NA	NA
PHYSICAL PARAMETERS					
Specific conductance @ 25° C	E120.1/A2510B	1	µmhos/cm	28	Cool ≤ 6° C
pH	E150.2/A4500 H B	0.1	s.u.	NA	NA
Total Dissolved Solids (TDS)	EPA 160.1/A2540C	4	mg/L	7	Cool ≤ 6° C
Total Suspended Solids (TSS)	EPA 160.2/A2540D	1	mg/L	7	Cool ≤ 6° C
Oil & Grease	EPA 413.1/A5520B	1	mg/L	28	Cool ≤ 6° C, H ₂ SO ₄ to pH <2
NON-METALS					
Total Anions	Calculated	-	meq/L	NA	NA
Total Cations	Calculated	-	meq/L	NA	NA
Cation/Anion Balance %	Calculated	-	%	NA	NA
Acidity, Total as CaCO ₃ (if pH <6.0)	EPA 130.1/A2310B	1	mg/L	14	Cool ≤ 6° C
Alkalinity, Total as CaCO ₃	EPA 310.2/A2320 B	1	mg/L	14	Cool ≤ 6° C
Hardness, Total as CaCO ₃	EPA 310.2/A2320 B	1	mg/L	NA	NA
Bicarbonate as HCO ₃	EPA 310.2/A2320 B	1	mg/L	14	Cool ≤ 6° C
Carbonate as CO ₃	EPA 310.2/A2320 B	1	mg/L	14	Cool ≤ 6° C
Sulfate (SO ₄)	EPA 300.0	1	mg/L	28	Cool ≤ 6° C
Chloride (Cl)	EPA 300.0	1	mg/L	28	Cool ≤ 6° C
Sodium Adsorption Ratio (SAR)	Calculated	0.1	NA	NA	NA
NUTRIENTS					
Total Nitrogen	SM 4500NC/A4500NB	0.05	mg/L	30	Cool ≤ 6° C
Total Persulfate Nitrogen	A4500 N-C	0.04	mg/L	28	Cool ≤ 6° C
Nitrate + Nitrite as N	EPA 353.2	0.01	mg/L	28	Cool ≤ 6° C, H ₂ SO ₄ to pH <2
Total Ammonia as N	EPA 350.1	0.05	mg/L	28	Cool ≤ 6° C, H ₂ SO ₄ to pH <2
Total Phosphorus	EPA 365.1/A4500PE	0.05	mg/L	28	Cool ≤ 6° C, H ₂ SO ₄ to pH <2
TOTAL RECOVERABLE/DISSOLVED METALS					
Calcium (Ca)	200.7 / 200.8	1	mg/L	180	HNO ₃ to pH <2
Magnesium (Mg)	200.7 / 200.8	1	mg/L	180	HNO ₃ to pH <2
Sodium (Na)	200.7 / 200.8	1	mg/L	180	HNO ₃ to pH <2
Potassium (K)	200.7 / 200.8	1	mg/L	180	HNO ₃ to pH <2
Aluminum (Al)	200.7 / 200.8	0.009	mg/L	180	HNO ₃ to pH <2
Arsenic (As)	200.7 / 200.8	0.001	mg/L	180	HNO ₃ to pH <2
Barium (Ba)	200.7 / 200.8	0.003	mg/L	180	HNO ₃ to pH <2
Beryllium (Be)	200.7 / 200.8	0.0008	mg/L	180	HNO ₃ to pH <2
Boron (B)	200.7 / 200.8	0.01	mg/L	180	HNO ₃ to pH <2
Cadmium (Cd)	200.7 / 200.8	0.00003	mg/L	180	HNO ₃ to pH <2
Chromium (Cr)	200.7 / 200.8	0.001	mg/L	180	HNO ₃ to pH <2
Copper (Cu)	200.7 / 200.8	0.001	mg/L	180	HNO ₃ to pH <2
Fluoride (F)	A 4500 F-C	0.1	mg/L	180	HNO ₃ to pH <2
Iron (Fe)	200.7 / 200.8	0.02	mg/L	180	HNO ₃ to pH <2
Lead (Pb)	200.7 / 200.8	0.0003	mg/L	180	HNO ₃ to pH <2
Manganese (Mn)	200.7 / 200.8	0.005	mg/L	180	HNO ₃ to pH <2
Mercury (Hg)	245.1 Low Level	0.000005	mg/L	180	HNO ₃ to pH <2
Molybdenum (Mo)	200.7 / 200.8	0.005	mg/L	180	HNO ₃ to pH <2
Nickel (Ni)	200.7 / 200.8	0.002	mg/L	180	HNO ₃ to pH <2
Selenium (Se)	200.7 / 200.8	0.001	mg/L	180	HNO ₃ to pH <2
Vanadium (V)	200.7 / 200.8	0.01	mg/L	180	HNO ₃ to pH <2
Zinc (Zn)	200.7 / 200.8	0.008	mg/L	180	HNO ₃ to pH <2