

Sampling Location: MW-06	Sample Date	3/22/2023	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary	Duplicate		
	Depth to Water	8.69 feet	8.68 feet		
Analyte List	Value Units	Dissolved	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.019	ND	0.01	**5
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.028	0.029	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BORON	MG/L	0.032	0.035	0.02	**0.75
CADMIUM	MG/L	ND	ND	0.002	0.005
CHROMIUM	MG/L	ND	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	**0.05
COPPER	MG/L	0.0027	0.0029	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	0.51	0.54	0.1	2
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.02	0.022	0.005	**2.5
MANGANESE	MG/L	ND	ND	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0057	0.0058	0.005	0.21
NICKEL	MG/L	0.0028	0.0026	0.002	0.1
NITRATE AS N	MG/L	NM	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	ND	2	10
NITRITE AS N	MG/L	NM	NM	0.75	1
PH	PH	7.1	7.11	0.1	**6.5-8.5
SELENIUM	MG/L	0.0199	0.02	0.002	**0.02
SILVER	MG/L	ND	ND	0.002	0.05
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	1650	1640	10	***
URANIUM	MG/L	0.0266	0.0293	0.005	0.03
VANADIUM	MG/L	ND	ND	0.005	**0.1
ZINC	MG/L	ND	ND	0.004	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise ** Table 3, WQCC Regulation 41 *** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS					

Sampling Location: MW-10	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	6.20 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.015	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.457	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.0217	0.005	**2.5
MANGANESE	MG/L	ND	0.005	0.05
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	0.2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.6	0.1	**6.5-8.5
SELENIUM	MG/L	0.0229	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
THALLIUM	MG/L	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	1130	10	***
URANIUM	MG/L	0.0215	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2
Not enough water to sample MW-10				
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise ** Table 3, WQCC Regulation 41 *** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS				

Sampling Location: MW-12	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	7.30 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.0454	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	0.021	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.50	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.0146	0.005	**2.5
MANGANESE	MG/L	ND	0.005	0.05
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.45	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	**0.02
THALLIUM	MG/L	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	488	10	***
URANIUM	MG/L	0.0079	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

** Table 3, WQCC Regulation 41

*** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

Sampling Location: MW-13	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	9.05 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.083	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.242	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.0087	0.005	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.57	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	**0.02
THALLIUM	MG/L	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	1070	10	***
URANIUM	MG/L	0.0064	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise ** Table 3, WQCC Regulation 41 *** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS				

Sampling Location: MW-19	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	8.05 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.034	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.425	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.0075	0.005	**2.5
MANGANESE	MG/L	0.007	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.77	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	**0.02
THALLIUM	MG/L	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	608	10	***
URANIUM	MG/L	ND	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

** Table 3, WQCC Regulation 41

*** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

Sampling Location: MW-19	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	8.05 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.034	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.425	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.0075	0.005	**2.5
MANGANESE	MG/L	0.007	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.77	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	**0.02
THALLIUM	MG/L	ND	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	608	10	***
URANIUM	MG/L	ND	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise

** Table 3, WQCC Regulation 41

*** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS

Sampling Location: 03-Blank	Sample Date	3/22/2023	Knox Pit M2017-036	
	Sample Type	Blank		
	Depth to Water	Distilled Water		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	ND	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	6.01	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	**0.02
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	182	10	***
URANIUM	MG/L	ND	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise ** Table 3, WQCC Regulation 41 *** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS				

Sampling Location: 03-Blank	Sample Date	11/28/2022	Knox Pit M2017-036	
	Sample Type	Blank		
	Depth to Water	Distilled Water		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	ND	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	6.01	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	182	10	***
URANIUM	MG/L	ND	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.004	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1 and 2, Department of Public Health and Environment, WQCC Regulation No. 41 unless noted otherwise ** Table 3, WQCC Regulation 41 *** Table 4, WQCC Regulation 41. Background value x 1.25 = Max Allowable TDS				



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April 07, 2023

Tim Gerken
Telesto Solutions Inc
750 14th Street
Loveland, CO 80537

Work Order: **HS23031557**

Laboratory Results for: **LRM-Knox Pit**

Dear Tim Gerken,

ALS Environmental received 7 sample(s) on Mar 24, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Work Order: HS23031557

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23031557-01	MW-06	Water		22-Mar-2023 12:50	24-Mar-2023 10:00	☐
HS23031557-02	02MW-06	Water		22-Mar-2023 12:55	24-Mar-2023 10:00	☐
HS23031557-03	MW-12	Water		22-Mar-2023 14:02	24-Mar-2023 10:00	☐
HS23031557-04	MW-13	Water		22-Mar-2023 14:30	24-Mar-2023 10:00	☐
HS23031557-05	MW-10	Water		22-Mar-2023 15:25	24-Mar-2023 10:00	☐
HS23031557-06	03-Blank	Water		22-Mar-2023 14:27	24-Mar-2023 10:00	☐
HS23031557-07	MW-19	Water		22-Mar-2023 16:05	24-Mar-2023 10:00	☐

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Work Order: HS23031557

CASE NARRATIVE

Work Order Comments

- Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier.
The temperature at the time of pH is reported. Please note that all pH results are already normalized to a temperature of 25 °C.

Metals by Method SW7470A**Batch ID: 191977**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020A**Batch ID: 191833****Sample ID: HS23031743-01MS**

- MS and MSD are for an unrelated sample

Sample ID: HS23031743-01PDS

- PDS is for an unrelated sample

WetChemistry by Method SM2320B**Batch ID: R431783,R431902**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E300**Batch ID: R431442**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R431673**Sample ID: 02MW-06 (HS23031557-02)**

- The reporting limit is elevated due to dilution for high concentrations of non-target analytes. (Nitrate/Nitrite (as N),Nitrogen, Nitrate (As N),Nitrogen, Nitrite (As N))

WetChemistry by Method SM4500H+ B**Batch ID: R431285**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method M2540C**Batch ID: R431227**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW9014**Batch ID: 191853**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: MW-06
 Collection Date: 22-Mar-2023 12:50

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	0.0191		0.0100	mg/L	1	05-Apr-2023 17:34
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Barium	0.0278		0.00400	mg/L	1	05-Apr-2023 17:34
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Boron	0.0322		0.0200	mg/L	1	05-Apr-2023 17:34
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Calcium	382		10.0	mg/L	20	06-Apr-2023 13:14
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:34
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:34
Copper	0.00268		0.00200	mg/L	1	05-Apr-2023 17:34
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:34
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Lithium	0.0201		0.00500	mg/L	1	05-Apr-2023 17:34
Magnesium	23.2		0.200	mg/L	1	05-Apr-2023 17:34
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:34
Molybdenum	0.00568		0.00500	mg/L	1	05-Apr-2023 17:34
Nickel	0.00276		0.00200	mg/L	1	05-Apr-2023 17:34
Potassium	4.56		0.200	mg/L	1	05-Apr-2023 17:34
Selenium	0.0199		0.00200	mg/L	1	05-Apr-2023 17:34
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Sodium	10.6		0.200	mg/L	1	05-Apr-2023 17:34
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:34
Uranium	0.0266		0.00500	mg/L	1	05-Apr-2023 17:34
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:34
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:34
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 18:49
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH
Chloride	20.2		0.500	mg/L	1	30-Mar-2023 17:59
Fluoride	0.512		0.100	mg/L	1	30-Mar-2023 17:59
Sulfate	1,040		10.0	mg/L	20	30-Mar-2023 18:05
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 21:38
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: DC
Total Dissolved Solids (Residue, Filterable)	1,650		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: MW-06
Collection Date: 22-Mar-2023 12:50

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	246		5.00	mg/L	1	04-Apr-2023 20:40
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 20:40
Alkalinity, Total (As CaCO ₃)	246		5.00	mg/L	1	04-Apr-2023 20:40
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.10	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.6	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: 02MW-06
 Collection Date: 22-Mar-2023 12:55

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:36
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Barium	0.0290		0.00400	mg/L	1	05-Apr-2023 17:36
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Boron	0.0347		0.0200	mg/L	1	05-Apr-2023 17:36
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Calcium	406		10.0	mg/L	20	06-Apr-2023 13:16
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:36
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:36
Copper	0.00288		0.00200	mg/L	1	05-Apr-2023 17:36
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:36
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Lithium	0.0218		0.00500	mg/L	1	05-Apr-2023 17:36
Magnesium	24.6		0.200	mg/L	1	05-Apr-2023 17:36
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:36
Molybdenum	0.00584		0.00500	mg/L	1	05-Apr-2023 17:36
Nickel	0.00265		0.00200	mg/L	1	05-Apr-2023 17:36
Potassium	4.83		0.200	mg/L	1	05-Apr-2023 17:36
Selenium	0.0203		0.00200	mg/L	1	05-Apr-2023 17:36
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Sodium	11.4		0.200	mg/L	1	05-Apr-2023 17:36
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:36
Uranium	0.0293		0.00500	mg/L	1	05-Apr-2023 17:36
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:36
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:36
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 18:54
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	20.3		0.500	mg/L	1	30-Mar-2023 18:10
Fluoride	0.540		0.100	mg/L	1	30-Mar-2023 18:10
Sulfate	1,080		10.0	mg/L	20	30-Mar-2023 18:16
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 21:43
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	1,640		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: 02MW-06
Collection Date: 22-Mar-2023 12:55

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO3)	268		5.00	mg/L	1	04-Apr-2023 20:45
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	04-Apr-2023 20:45
Alkalinity, Total (As CaCO3)	268		5.00	mg/L	1	04-Apr-2023 20:45
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.11	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.5	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: MW-12
 Collection Date: 22-Mar-2023 14:02

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-03
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:38
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Barium	0.0454		0.00400	mg/L	1	05-Apr-2023 17:38
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Boron	0.0210		0.0200	mg/L	1	05-Apr-2023 17:38
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Calcium	199		10.0	mg/L	20	06-Apr-2023 13:18
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:38
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:38
Copper	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:38
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Lithium	0.0146		0.00500	mg/L	1	05-Apr-2023 17:38
Magnesium	17.2		0.200	mg/L	1	05-Apr-2023 17:38
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:38
Molybdenum	ND		0.00500	mg/L	1	05-Apr-2023 17:38
Nickel	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Potassium	1.53		0.200	mg/L	1	05-Apr-2023 17:38
Selenium	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Sodium	15.6		0.200	mg/L	1	05-Apr-2023 17:38
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:38
Uranium	0.00787		0.00500	mg/L	1	05-Apr-2023 17:38
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:38
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:38
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 18:56
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	12.2		0.500	mg/L	1	30-Mar-2023 18:22
Fluoride	0.500		0.100	mg/L	1	30-Mar-2023 18:22
Sulfate	501		10.0	mg/L	20	30-Mar-2023 18:28
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 21:49
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	488		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: MW-12
Collection Date: 22-Mar-2023 14:02

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	190		5.00	mg/L	1	04-Apr-2023 21:04
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:04
Alkalinity, Total (As CaCO ₃)	190		5.00	mg/L	1	04-Apr-2023 21:04
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.45	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.8	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: MW-13
 Collection Date: 22-Mar-2023 14:30

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:40
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Barium	0.0828		0.00400	mg/L	1	05-Apr-2023 17:40
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Boron	ND		0.0200	mg/L	1	05-Apr-2023 17:40
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Calcium	112		0.500	mg/L	1	05-Apr-2023 17:40
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:40
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:40
Copper	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:40
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Lithium	0.00873		0.00500	mg/L	1	05-Apr-2023 17:40
Magnesium	14.0		0.200	mg/L	1	05-Apr-2023 17:40
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:40
Molybdenum	ND		0.00500	mg/L	1	05-Apr-2023 17:40
Nickel	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Potassium	1.27		0.200	mg/L	1	05-Apr-2023 17:40
Selenium	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Sodium	7.37		0.200	mg/L	1	05-Apr-2023 17:40
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:40
Uranium	0.00642		0.00500	mg/L	1	05-Apr-2023 17:40
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:40
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:40
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 18:58
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	12.5		0.500	mg/L	1	30-Mar-2023 18:34
Fluoride	0.242		0.100	mg/L	1	30-Mar-2023 18:34
Sulfate	252		5.00	mg/L	10	30-Mar-2023 18:39
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 21:55
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	1,070		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: MW-13
Collection Date: 22-Mar-2023 14:30

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	188		5.00	mg/L	1	04-Apr-2023 21:09
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:09
Alkalinity, Total (As CaCO ₃)	188		5.00	mg/L	1	04-Apr-2023 21:09
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.57	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.2	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: MW-10
 Collection Date: 22-Mar-2023 15:25

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:42
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Barium	0.0150		0.00400	mg/L	1	05-Apr-2023 17:42
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Boron	ND		0.0200	mg/L	1	05-Apr-2023 17:42
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Calcium	265		10.0	mg/L	20	06-Apr-2023 13:20
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:42
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:42
Copper	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:42
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Lithium	0.0217		0.00500	mg/L	1	05-Apr-2023 17:42
Magnesium	16.1		0.200	mg/L	1	05-Apr-2023 17:42
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:42
Molybdenum	ND		0.00500	mg/L	1	05-Apr-2023 17:42
Nickel	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Potassium	2.89		0.200	mg/L	1	05-Apr-2023 17:42
Selenium	0.0229		0.00200	mg/L	1	05-Apr-2023 17:42
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Sodium	17.3		0.200	mg/L	1	05-Apr-2023 17:42
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:42
Uranium	0.0215		0.00500	mg/L	1	05-Apr-2023 17:42
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:42
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:42
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 18:59
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	19.8		0.500	mg/L	1	30-Mar-2023 18:45
Fluoride	0.457		0.100	mg/L	1	30-Mar-2023 18:45
Sulfate	652		10.0	mg/L	20	30-Mar-2023 18:51
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 22:01
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	1,130		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: MW-10
Collection Date: 22-Mar-2023 15:25

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	272		5.00	mg/L	1	04-Apr-2023 21:15
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:15
Alkalinity, Total (As CaCO ₃)	272		5.00	mg/L	1	04-Apr-2023 21:15
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.60	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.2	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: 03-Blank
 Collection Date: 22-Mar-2023 14:27

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-06
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:44
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Barium	ND		0.00400	mg/L	1	05-Apr-2023 17:44
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Boron	ND		0.0200	mg/L	1	05-Apr-2023 17:44
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Calcium	ND		0.500	mg/L	1	05-Apr-2023 17:44
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:44
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Copper	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:44
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Lithium	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Magnesium	ND		0.200	mg/L	1	05-Apr-2023 17:44
Manganese	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Molybdenum	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Nickel	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Potassium	ND		0.200	mg/L	1	05-Apr-2023 17:44
Selenium	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Sodium	ND		0.200	mg/L	1	06-Apr-2023 12:47
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:44
Uranium	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:44
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:44
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 19:01
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	ND		0.500	mg/L	1	30-Mar-2023 19:26
Fluoride	ND		0.100	mg/L	1	30-Mar-2023 19:26
Sulfate	ND		0.500	mg/L	1	30-Mar-2023 19:26
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 22:06
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	182		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: 03-Blank
Collection Date: 22-Mar-2023 14:27

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:19
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:19
Alkalinity, Total (As CaCO ₃)	ND		5.00	mg/L	1	04-Apr-2023 21:19
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	6.01	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.5	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: MW-19
 Collection Date: 22-Mar-2023 16:05

ANALYTICAL REPORT

WorkOrder:HS23031557
 Lab ID:HS23031557-07
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 05-Apr-2023		Analyst: JC
Aluminum	ND		0.0100	mg/L	1	05-Apr-2023 17:46
Antimony	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Arsenic	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Barium	0.0338		0.00400	mg/L	1	05-Apr-2023 17:46
Beryllium	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Boron	ND		0.0200	mg/L	1	05-Apr-2023 17:46
Cadmium	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Calcium	49.3		0.500	mg/L	1	05-Apr-2023 17:46
Chromium	ND		0.00400	mg/L	1	05-Apr-2023 17:46
Cobalt	ND		0.00500	mg/L	1	05-Apr-2023 17:46
Copper	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Iron	ND		0.200	mg/L	1	05-Apr-2023 17:46
Lead	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Lithium	0.00748		0.00500	mg/L	1	05-Apr-2023 17:46
Magnesium	7.00		0.200	mg/L	1	05-Apr-2023 17:46
Manganese	0.00705		0.00500	mg/L	1	05-Apr-2023 17:46
Molybdenum	ND		0.00500	mg/L	1	05-Apr-2023 17:46
Nickel	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Potassium	0.942		0.200	mg/L	1	05-Apr-2023 17:46
Selenium	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Silver	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Sodium	5.63		0.200	mg/L	1	05-Apr-2023 17:46
Thallium	ND		0.00200	mg/L	1	05-Apr-2023 17:46
Uranium	ND		0.00500	mg/L	1	05-Apr-2023 17:46
Vanadium	ND		0.00500	mg/L	1	05-Apr-2023 17:46
Zinc	ND		0.00400	mg/L	1	05-Apr-2023 17:46
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 06-Apr-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	06-Apr-2023 19:11
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH
Chloride	2.95		0.500	mg/L	1	30-Mar-2023 19:37
Fluoride	0.425		0.100	mg/L	1	30-Mar-2023 19:37
Sulfate	33.5		0.500	mg/L	1	30-Mar-2023 19:37
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	03-Apr-2023 22:47
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: DC
Total Dissolved Solids (Residue, Filterable)	608		10.0	mg/L	1	28-Mar-2023 11:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: MW-19
Collection Date: 22-Mar-2023 16:05

ANALYTICAL REPORT

WorkOrder:HS23031557
Lab ID:HS23031557-07
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Bicarbonate (As CaCO ₃)	154		5.00	mg/L	1	05-Apr-2023 20:44
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	05-Apr-2023 20:44
Alkalinity, Total (As CaCO ₃)	154		5.00	mg/L	1	05-Apr-2023 20:44
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: CD		
pH	7.77	H	0.100	pH Units	1	29-Mar-2023 16:29
Temp Deg C @pH	20.5	H	0	°C	1	29-Mar-2023 16:29
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 05-Apr-2023		Analyst: MZD
Cyanide	ND		0.00500	mg/L	1	06-Apr-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

Batch ID: 191833

Start Date: 05 Apr 2023 08:30

End Date: 05 Apr 2023 12:30

Method: DISS METALS PREP - WATER - SW3010A

Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23031557-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-07		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 191853

Start Date: 05 Apr 2023 08:30

End Date: 05 Apr 2023 11:00

Method: CYANIDE PREP - SW9010C

Prep Code: CN_TW_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23031557-01		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-02		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-03		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-04		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-05		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-06		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23031557-07		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH

Batch ID: 191977

Start Date: 06 Apr 2023 09:00

End Date: 06 Apr 2023 12:00

Method: MERCURY PREP BY 7470A - DISSOLVED

Prep Code: HG_W_DISSPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23031557-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23031557-07		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 191833 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50		05 Apr 2023 08:30	06 Apr 2023 13:14	20
HS23031557-01	MW-06	22 Mar 2023 12:50		05 Apr 2023 08:30	05 Apr 2023 17:34	1
HS23031557-02	02MW-06	22 Mar 2023 12:55		05 Apr 2023 08:30	06 Apr 2023 13:16	20
HS23031557-02	02MW-06	22 Mar 2023 12:55		05 Apr 2023 08:30	05 Apr 2023 17:36	1
HS23031557-03	MW-12	22 Mar 2023 14:02		05 Apr 2023 08:30	06 Apr 2023 13:18	20
HS23031557-03	MW-12	22 Mar 2023 14:02		05 Apr 2023 08:30	05 Apr 2023 17:38	1
HS23031557-04	MW-13	22 Mar 2023 14:30		05 Apr 2023 08:30	05 Apr 2023 17:40	1
HS23031557-05	MW-10	22 Mar 2023 15:25		05 Apr 2023 08:30	06 Apr 2023 13:20	20
HS23031557-05	MW-10	22 Mar 2023 15:25		05 Apr 2023 08:30	05 Apr 2023 17:42	1
HS23031557-06	03-Blank	22 Mar 2023 14:27		05 Apr 2023 08:30	06 Apr 2023 12:47	1
HS23031557-06	03-Blank	22 Mar 2023 14:27		05 Apr 2023 08:30	05 Apr 2023 17:44	1
HS23031557-07	MW-19	22 Mar 2023 16:05		05 Apr 2023 08:30	05 Apr 2023 17:46	1
Batch ID: 191853 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-02	02MW-06	22 Mar 2023 12:55		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-03	MW-12	22 Mar 2023 14:02		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-04	MW-13	22 Mar 2023 14:30		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-05	MW-10	22 Mar 2023 15:25		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-06	03-Blank	22 Mar 2023 14:27		05 Apr 2023 08:30	06 Apr 2023 10:10	1
HS23031557-07	MW-19	22 Mar 2023 16:05		05 Apr 2023 08:30	06 Apr 2023 10:10	1
Batch ID: 191977 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50		06 Apr 2023 09:00	06 Apr 2023 18:49	1
HS23031557-02	02MW-06	22 Mar 2023 12:55		06 Apr 2023 09:00	06 Apr 2023 18:54	1
HS23031557-03	MW-12	22 Mar 2023 14:02		06 Apr 2023 09:00	06 Apr 2023 18:56	1
HS23031557-04	MW-13	22 Mar 2023 14:30		06 Apr 2023 09:00	06 Apr 2023 18:58	1
HS23031557-05	MW-10	22 Mar 2023 15:25		06 Apr 2023 09:00	06 Apr 2023 18:59	1
HS23031557-06	03-Blank	22 Mar 2023 14:27		06 Apr 2023 09:00	06 Apr 2023 19:01	1
HS23031557-07	MW-19	22 Mar 2023 16:05		06 Apr 2023 09:00	06 Apr 2023 19:11	1
Batch ID: R431227 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50			28 Mar 2023 11:44	1
HS23031557-02	02MW-06	22 Mar 2023 12:55			28 Mar 2023 11:44	1
HS23031557-03	MW-12	22 Mar 2023 14:02			28 Mar 2023 11:44	1
HS23031557-04	MW-13	22 Mar 2023 14:30			28 Mar 2023 11:44	1
HS23031557-05	MW-10	22 Mar 2023 15:25			28 Mar 2023 11:44	1
HS23031557-06	03-Blank	22 Mar 2023 14:27			28 Mar 2023 11:44	1
HS23031557-07	MW-19	22 Mar 2023 16:05			28 Mar 2023 11:44	1

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R431285 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50			29 Mar 2023 16:29	1
HS23031557-02	02MW-06	22 Mar 2023 12:55			29 Mar 2023 16:29	1
HS23031557-03	MW-12	22 Mar 2023 14:02			29 Mar 2023 16:29	1
HS23031557-04	MW-13	22 Mar 2023 14:30			29 Mar 2023 16:29	1
HS23031557-05	MW-10	22 Mar 2023 15:25			29 Mar 2023 16:29	1
HS23031557-06	03-Blank	22 Mar 2023 14:27			29 Mar 2023 16:29	1
HS23031557-07	MW-19	22 Mar 2023 16:05			29 Mar 2023 16:29	1
Batch ID: R431442 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50			30 Mar 2023 18:05	20
HS23031557-01	MW-06	22 Mar 2023 12:50			30 Mar 2023 17:59	1
HS23031557-02	02MW-06	22 Mar 2023 12:55			30 Mar 2023 18:16	20
HS23031557-02	02MW-06	22 Mar 2023 12:55			30 Mar 2023 18:10	1
HS23031557-03	MW-12	22 Mar 2023 14:02			30 Mar 2023 18:28	20
HS23031557-03	MW-12	22 Mar 2023 14:02			30 Mar 2023 18:22	1
HS23031557-04	MW-13	22 Mar 2023 14:30			30 Mar 2023 18:39	10
HS23031557-04	MW-13	22 Mar 2023 14:30			30 Mar 2023 18:34	1
HS23031557-05	MW-10	22 Mar 2023 15:25			30 Mar 2023 18:51	20
HS23031557-05	MW-10	22 Mar 2023 15:25			30 Mar 2023 18:45	1
HS23031557-06	03-Blank	22 Mar 2023 14:27			30 Mar 2023 19:26	1
HS23031557-07	MW-19	22 Mar 2023 16:05			30 Mar 2023 19:37	1
Batch ID: R431673 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50			03 Apr 2023 21:38	10
HS23031557-02	02MW-06	22 Mar 2023 12:55			03 Apr 2023 21:43	10
HS23031557-03	MW-12	22 Mar 2023 14:02			03 Apr 2023 21:49	10
HS23031557-04	MW-13	22 Mar 2023 14:30			03 Apr 2023 21:55	10
HS23031557-05	MW-10	22 Mar 2023 15:25			03 Apr 2023 22:01	10
HS23031557-06	03-Blank	22 Mar 2023 14:27			03 Apr 2023 22:06	10
HS23031557-07	MW-19	22 Mar 2023 16:05			03 Apr 2023 22:47	10
Batch ID: R431783 (0)		Test Name : ALKALINITY BY SM 2320B-2011			Matrix: Water	
HS23031557-01	MW-06	22 Mar 2023 12:50			04 Apr 2023 20:40	1
HS23031557-02	02MW-06	22 Mar 2023 12:55			04 Apr 2023 20:45	1
HS23031557-03	MW-12	22 Mar 2023 14:02			04 Apr 2023 21:04	1
HS23031557-04	MW-13	22 Mar 2023 14:30			04 Apr 2023 21:09	1
HS23031557-05	MW-10	22 Mar 2023 15:25			04 Apr 2023 21:15	1
HS23031557-06	03-Blank	22 Mar 2023 14:27			04 Apr 2023 21:19	1
Batch ID: R431902 (0)		Test Name : ALKALINITY BY SM 2320B-2011			Matrix: Water	
HS23031557-07	MW-19	22 Mar 2023 16:05			05 Apr 2023 20:44	1

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK		Sample ID: MBLKF2-191833		Units: mg/L		Analysis Date: 05-Apr-2023 16:50			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217187		PrepDate: 05-Apr-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLKF3-191833	Units: mg/L		Analysis Date: 05-Apr-2023 16:52					
Client ID:	Run ID: ICPMS06_431802	SeqNo: 7217188		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLKF1-191833	Units: mg/L		Analysis Date: 05-Apr-2023 16:48					
Client ID:	Run ID: ICPMS06_431802	SeqNo: 7217186		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-191833	Units: mg/L		Analysis Date: 05-Apr-2023 16:46					
Client ID:	Run ID: ICPMS06_431802	SeqNo: 7217185		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS		Sample ID: LCS-191833		Units: mg/L		Analysis Date: 05-Apr-2023 16:54			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217189		PrepDate: 05-Apr-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.101	0.0100	0.1	0	101	80 - 120			
Antimony	0.05034	0.00200	0.05	0	101	80 - 120			
Arsenic	0.05031	0.00200	0.05	0	101	80 - 120			
Barium	0.04752	0.00400	0.05	0	95.0	80 - 120			
Beryllium	0.05112	0.00200	0.05	0	102	80 - 120			
Boron	0.4707	0.0200	0.5	0	94.1	80 - 120			
Cadmium	0.04988	0.00200	0.05	0	99.8	80 - 120			
Calcium	4.96	0.500	5	0	99.2	80 - 120			
Chromium	0.04618	0.00400	0.05	0	92.4	80 - 120			
Cobalt	0.04771	0.00500	0.05	0	95.4	80 - 120			
Copper	0.0528	0.00200	0.05	0	106	80 - 120			
Iron	4.856	0.200	5	0	97.1	80 - 120			
Lead	0.04854	0.00200	0.05	0	97.1	80 - 120			
Lithium	0.1042	0.00500	0.1	0	104	80 - 120			
Magnesium	5.104	0.200	5	0	102	80 - 120			
Manganese	0.04807	0.00500	0.05	0	96.1	80 - 120			
Molybdenum	0.04546	0.00500	0.05	0	90.9	80 - 120			
Nickel	0.04815	0.00200	0.05	0	96.3	80 - 120			
Potassium	5.034	0.200	5	0	101	80 - 120			
Selenium	0.05253	0.00200	0.05	0	105	80 - 120			
Silver	0.0481	0.00200	0.05	0	96.2	80 - 120			
Sodium	4.953	0.200	5	0	99.1	80 - 120			
Thallium	0.04199	0.00200	0.05	0	84.0	80 - 120			
Uranium	0.09865	0.00500	0.1	0	98.6	80 - 120			
Vanadium	0.04559	0.00500	0.05	0	91.2	80 - 120			
Zinc	0.05266	0.00400	0.05	0	105	80 - 120			

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS23031743-01MS		Units: mg/L		Analysis Date: 05-Apr-2023 17:12			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217195		PrepDate: 05-Apr-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1081	0.0100	0.1	0.009499	98.6	75 - 125			
Antimony	0.05063	0.00200	0.05	0	101	75 - 125			
Arsenic	0.06836	0.00200	0.05	0.01741	102	75 - 125			
Barium	0.5341	0.00400	0.05	0.5156	37.0	75 - 125			SO
Beryllium	0.05363	0.00200	0.05	0	107	75 - 125			
Boron	1.008	0.0200	0.5	0.4965	102	75 - 125			E
Cadmium	0.04734	0.00200	0.05	0	94.7	75 - 125			
Calcium	239.7	0.500	5	250.6	-218	75 - 125			SEO
Chromium	0.04806	0.00400	0.05	0	96.1	75 - 125			
Cobalt	0.04916	0.00500	0.05	0.001966	94.4	75 - 125			
Copper	0.0509	0.00200	0.05	0	102	75 - 125			
Iron	4.947	0.200	5	0.0397	98.2	75 - 125			
Lead	0.05022	0.00200	0.05	0	100	75 - 125			
Lithium	0.1398	0.00500	0.1	0.03469	105	75 - 125			
Magnesium	74.14	0.200	5	71.58	51.3	75 - 125			SO
Manganese	3.967	0.00500	0.05	4.092	-250	75 - 125			SEO
Molybdenum	0.05434	0.00500	0.05	0.007488	93.7	75 - 125			
Nickel	0.05129	0.00200	0.05	0.005503	91.6	75 - 125			
Potassium	14.67	0.200	5	10.01	93.2	75 - 125			
Selenium	0.05117	0.00200	0.05	0	102	75 - 125			
Silver	0.04516	0.00200	0.05	0	90.3	75 - 125			
Sodium	154.2	0.200	5	154.8	-13.1	75 - 125			SO
Thallium	0.04732	0.00200	0.05	0	94.6	75 - 125			
Uranium	0.1084	0.00500	0.1	0	108	75 - 125			
Vanadium	0.04865	0.00500	0.05	0	97.3	75 - 125			
Zinc	0.05328	0.00400	0.05	0.002992	101	75 - 125			

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD		Sample ID: HS23031743-01MSD		Units: mg/L		Analysis Date: 05-Apr-2023 17:14			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217196		PrepDate: 05-Apr-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1118	0.0100	0.1	0.009499	102	75 - 125	0.1081	3.37	20
Antimony	0.05178	0.00200	0.05	0	104	75 - 125	0.05063	2.25	20
Arsenic	0.0703	0.00200	0.05	0.01741	106	75 - 125	0.06836	2.81	20
Barium	0.5622	0.00400	0.05	0.5156	93.3	75 - 125	0.5341	5.13	20 O
Beryllium	0.05345	0.00200	0.05	0	107	75 - 125	0.05363	0.321	20
Boron	1.046	0.0200	0.5	0.4965	110	75 - 125	1.008	3.7	20 E
Cadmium	0.04878	0.00200	0.05	0	97.6	75 - 125	0.04734	2.99	20
Calcium	254.6	0.500	5	250.6	80.2	75 - 125	239.7	6.04	20 EO
Chromium	0.04894	0.00400	0.05	0	97.9	75 - 125	0.04806	1.83	20
Cobalt	0.05026	0.00500	0.05	0.001966	96.6	75 - 125	0.04916	2.21	20
Copper	0.05161	0.00200	0.05	0	103	75 - 125	0.0509	1.38	20
Iron	5.065	0.200	5	0.0397	101	75 - 125	4.947	2.35	20
Lead	0.05096	0.00200	0.05	0	102	75 - 125	0.05022	1.46	20
Lithium	0.1427	0.00500	0.1	0.03469	108	75 - 125	0.1398	2.05	20
Magnesium	77.88	0.200	5	71.58	126	75 - 125	74.14	4.92	20 SO
Manganese	4.174	0.00500	0.05	4.092	164	75 - 125	3.967	5.08	20 SEO
Molybdenum	0.05702	0.00500	0.05	0.007488	99.1	75 - 125	0.05434	4.82	20
Nickel	0.05339	0.00200	0.05	0.005503	95.8	75 - 125	0.05129	4.02	20
Potassium	15.11	0.200	5	10.01	102	75 - 125	14.67	2.98	20
Selenium	0.05451	0.00200	0.05	0	109	75 - 125	0.05117	6.33	20
Silver	0.0469	0.00200	0.05	0	93.8	75 - 125	0.04516	3.78	20
Sodium	162.4	0.200	5	154.8	152	75 - 125	154.2	5.21	20 SO
Thallium	0.04803	0.00200	0.05	0	96.1	75 - 125	0.04732	1.48	20
Uranium	0.1092	0.00500	0.1	0	109	75 - 125	0.1084	0.786	20
Vanadium	0.04983	0.00500	0.05	0	99.7	75 - 125	0.04865	2.38	20
Zinc	0.05416	0.00400	0.05	0.002992	102	75 - 125	0.05328	1.63	20

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS23031743-01PDS		Units: mg/L		Analysis Date: 05-Apr-2023 17:16			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217197		PrepDate: 05-Apr-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1005	0.0100	0.1	0.009499	91.0	75 - 125			
Antimony	0.09689	0.00200	0.1	0	96.9	75 - 125			
Arsenic	0.1153	0.00200	0.1	0.01741	97.8	75 - 125			
Barium	0.5669	0.00400	0.1	0.5156	51.3	75 - 125			SO
Beryllium	0.1019	0.00200	0.1	0	102	75 - 125			
Boron	0.9853	0.0200	0.5	0.4965	97.8	75 - 125			
Cadmium	0.09242	0.00200	0.1	0	92.4	75 - 125			
Chromium	0.09199	0.00400	0.1	0	92.0	75 - 125			
Cobalt	0.09219	0.00500	0.1	0.001966	90.2	75 - 125			
Copper	0.0882	0.00200	0.1	0	88.2	75 - 125			
Iron	9.411	0.200	10	0.0397	93.7	75 - 125			
Lead	0.09454	0.00200	0.1	0	94.5	75 - 125			
Lithium	0.1316	0.00500	0.1	0.03469	96.9	75 - 125			
Magnesium	76.18	0.200	10	71.58	46.0	75 - 125			SO
Molybdenum	0.09935	0.00500	0.1	0.007488	91.9	75 - 125			
Nickel	0.09472	0.00200	0.1	0.005503	89.2	75 - 125			
Potassium	18.79	0.200	10	10.01	87.8	75 - 125			
Selenium	0.09864	0.00200	0.1	0	98.6	75 - 125			
Silver	0.08738	0.00200	0.1	0	87.4	75 - 125			
Sodium	154.1	0.200	10	154.8	-7.26	75 - 125			SO
Thallium	0.1007	0.00200	0.1	0	101	75 - 125			
Uranium	0.101	0.00500	0.1	0	101	75 - 125			
Vanadium	0.09394	0.00500	0.1	0	93.9	75 - 125			
Zinc	0.0976	0.00400	0.1	0.002992	94.6	75 - 125			

PDS		Sample ID: HS23031743-01PDS		Units: mg/L		Analysis Date: 06-Apr-2023 12:55			
Client ID:		Run ID: ICPMS06_431920		SeqNo: 7219256		PrepDate: 05-Apr-2023		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Calcium	447.6	10.0	200	253.8	96.9	75 - 125			
Manganese	6.044	0.100	2	4.208	91.8	75 - 125			

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191833 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS23031743-01SD		Units: mg/L		Analysis Date: 05-Apr-2023 17:10			
Client ID:		Run ID: ICPMS06_431802		SeqNo: 7217194		PrepDate: 05-Apr-2023		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	ND	0.0500					0.009499	0	10
Antimony	ND	0.0100					0.000039	0	10
Arsenic	0.01678	0.0100					0.01741	3.62	10
Barium	0.5199	0.0200					0.5156	0.835	10
Beryllium	ND	0.0100					0.000017	0	10
Boron	0.4646	0.100					0.4965	6.43	10
Cadmium	ND	0.0100					0.000008	0	10
Chromium	0.004327	0.0200					0.000355	0	10 J
Cobalt	0.002096	0.0250					0.001966	0	10 J
Copper	ND	0.0100					0.000098	0	10
Iron	ND	1.00					0.0397	0	10
Lead	ND	0.0100					0.000008	0	10
Lithium	0.03697	0.0250					0.03469	6.57	10
Magnesium	72.61	1.00					71.58	1.45	10
Molybdenum	0.00745	0.0250					0.007488	0	10 J
Nickel	0.006464	0.0100					0.005503	0	10 J
Potassium	10.12	1.00					10.01	1.16	10
Selenium	ND	0.0100					0.00056	0	10
Silver	ND	0.0100					0.000013	0	10
Sodium	153.5	1.00					154.8	0.871	10
Thallium	ND	0.0100					0.000025	0	10
Uranium	ND	0.0250					0.000028	0	10
Vanadium	ND	0.0250					-0.000956	0	10
Zinc	0.01241	0.0200					0.002992	0	10 J

SD		Sample ID: HS23031743-01SD		Units: mg/L		Analysis Date: 06-Apr-2023 12:53			
Client ID:		Run ID: ICPMS06_431920		SeqNo: 7219255		PrepDate: 05-Apr-2023		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Calcium	253	50.0					253.8	0.333	10
Manganese	4.169	0.500					4.208	0.939	10

The following samples were analyzed in this batch:

HS23031557-01	HS23031557-02	HS23031557-03	HS23031557-04
HS23031557-05	HS23031557-06	HS23031557-07	

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191977 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)					
MBLK	Sample ID: MBLK-191977	Units: mg/L		Analysis Date: 06-Apr-2023 18:46					
Client ID:	Run ID: HG04_431976		SeqNo: 7220738		PrepDate: 06-Apr-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
LCS	Sample ID: LCS-191977	Units: mg/L		Analysis Date: 06-Apr-2023 18:47					
Client ID:	Run ID: HG04_431976		SeqNo: 7220739		PrepDate: 06-Apr-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00501	0.000200	0.005	0	100	80 - 120			
MS	Sample ID: HS23031557-01MS	Units: mg/L		Analysis Date: 06-Apr-2023 18:51					
Client ID: MW-06	Run ID: HG04_431976		SeqNo: 7220741		PrepDate: 06-Apr-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00451	0.000200	0.005	-0.00001	90.4	80 - 120			
MSD	Sample ID: HS23031557-01MSD	Units: mg/L		Analysis Date: 06-Apr-2023 18:52					
Client ID: MW-06	Run ID: HG04_431976		SeqNo: 7220742		PrepDate: 06-Apr-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00491	0.000200	0.005	-0.00001	98.4	80 - 120	0.00451	8.49	20
The following samples were analyzed in this batch:									
HS23031557-01		HS23031557-02		HS23031557-03		HS23031557-04			
HS23031557-05		HS23031557-06		HS23031557-07					

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: 191853 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-191853	Units: mg/L		Analysis Date: 06-Apr-2023 10:10					
Client ID:	Run ID: UV-2450_431947	SeqNo: 7219719		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	ND	0.00500							
LCS	Sample ID: LCS-191853	Units: mg/L		Analysis Date: 06-Apr-2023 10:10					
Client ID:	Run ID: UV-2450_431947	SeqNo: 7219718		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.175	0.00500	0.2	0	87.5	80 - 120			
MS	Sample ID: HS23040006-02MS	Units: mg/L		Analysis Date: 06-Apr-2023 10:10					
Client ID:	Run ID: UV-2450_431947	SeqNo: 7219716		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.22	0.00500	0.2	-0.002	111	80 - 120			
MSD	Sample ID: HS23040006-02MSD	Units: mg/L		Analysis Date: 06-Apr-2023 10:10					
Client ID:	Run ID: UV-2450_431947	SeqNo: 7219717		PrepDate: 05-Apr-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.219	0.00500	0.2	-0.002	110	80 - 120	0.22	0.456	20
The following samples were analyzed in this batch:									
HS23031557-01		HS23031557-02		HS23031557-03		HS23031557-04			
HS23031557-05		HS23031557-06		HS23031557-07					

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431227 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WBLK-03282023	Units: mg/L		Analysis Date: 28-Mar-2023 11:44						
Client ID:	Run ID: Balance1_431227	SeqNo: 7201958		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		ND	10.0							
LCS	Sample ID: LCS-03282023	Units: mg/L		Analysis Date: 28-Mar-2023 11:44						
Client ID:	Run ID: Balance1_431227	SeqNo: 7201957		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		1088	10.0	1000	0	109	85 - 115			
DUP	Sample ID: HS23031557-05DUP	Units: mg/L		Analysis Date: 28-Mar-2023 11:44						
Client ID: MW-10	Run ID: Balance1_431227	SeqNo: 7201950		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		1132	10.0				1134	0.177	20	
DUP	Sample ID: HS23031459-06DUP	Units: mg/L		Analysis Date: 28-Mar-2023 11:44						
Client ID:	Run ID: Balance1_431227	SeqNo: 7201941		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		392	10.0				394	0.509	20	
The following samples were analyzed in this batch:				HS23031557-01	HS23031557-02	HS23031557-03	HS23031557-04			
				HS23031557-05	HS23031557-06	HS23031557-07				

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431285 (0)		Instrument: WetChem_HS		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS23031701-01DUP	Units: pH Units		Analysis Date: 29-Mar-2023 16:29					
Client ID:	Run ID: WetChem_HS_431285		SeqNo: 7203119		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	8.34	0.100					8.3	0.481	10
Temp Deg C @pH	20.7	0					20.7	0	10
The following samples were analyzed in this batch:									
		HS23031557-01		HS23031557-02		HS23031557-03		HS23031557-04	
		HS23031557-05		HS23031557-06		HS23031557-07			

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431442 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 30-Mar-2023 15:04					
Client ID:	Run ID: ICS-Integrion_431442		SeqNo: 7206868		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	ND	0.500							
Fluoride	ND	0.100							
Sulfate	ND	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 30-Mar-2023 15:16					
Client ID:	Run ID: ICS-Integrion_431442		SeqNo: 7206869		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	20.29	0.500	20	0	101	90 - 110			
Fluoride	4.22	0.100	4	0	106	90 - 110			
Sulfate	20.76	0.500	20	0	104	90 - 110			

MS	Sample ID: HS23031745-04MS	Units: mg/L		Analysis Date: 30-Mar-2023 15:40					
Client ID:	Run ID: ICS-Integrion_431442		SeqNo: 7206871		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	15.28	0.500	10	4.916	104	80 - 120			
Fluoride	2.699	0.100	2	0.5982	105	80 - 120			
Sulfate	46.78	0.500	10	38.37	84.1	80 - 120			

MS	Sample ID: HS23031730-01MS	Units: mg/L		Analysis Date: 30-Mar-2023 16:49					
Client ID:	Run ID: ICS-Integrion_431442		SeqNo: 7206880		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	10.22	0.500	10	0.191	100	80 - 120			
Fluoride	2.082	0.100	2	0	104	80 - 120			
Sulfate	10.29	0.500	10	0.1402	102	80 - 120			

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431442 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD		Sample ID: HS23031745-04MSD		Units: mg/L		Analysis Date: 30-Mar-2023 15:46			
Client ID:		Run ID: ICS-Integrion_431442		SeqNo: 7206872		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	15.3	0.500	10	4.916	104	80 - 120	15.28	0.105	20
Fluoride	2.674	0.100	2	0.5982	104	80 - 120	2.699	0.931	20
Sulfate	46.94	0.500	10	38.37	85.8	80 - 120	46.78	0.355	20

MSD		Sample ID: HS23031730-01MSD		Units: mg/L		Analysis Date: 30-Mar-2023 16:55			
Client ID:		Run ID: ICS-Integrion_431442		SeqNo: 7206881		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	10.19	0.500	10	0.191	100.0	80 - 120	10.22	0.304	20
Fluoride	2.023	0.100	2	0	101	80 - 120	2.082	2.85	20
Sulfate	10.26	0.500	10	0.1402	101	80 - 120	10.29	0.321	20

The following samples were analyzed in this batch:

HS23031557-01	HS23031557-02	HS23031557-03	HS23031557-04
HS23031557-05	HS23031557-06	HS23031557-07	

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431673 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L			Analysis Date: 03-Apr-2023 19:47				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212467		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		ND	0.200						

LCS	Sample ID: LCS	Units: mg/L			Analysis Date: 03-Apr-2023 19:59				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212468		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		8.13	0.200	8	0	102	90 - 110		

MS	Sample ID: HS23031624-01MS	Units: mg/L			Analysis Date: 03-Apr-2023 20:11				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212470		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		34.78	2.00	40	0	86.9	80 - 120		

MS	Sample ID: HS23031564-01MS	Units: mg/L			Analysis Date: 03-Apr-2023 22:59				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212491		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		36.04	2.00	40	0.464	89.0	80 - 120		

MSD	Sample ID: HS23031624-01MSD	Units: mg/L			Analysis Date: 03-Apr-2023 20:16				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212471		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		35.8	2.00	40	0	89.5	80 - 120	34.78	2.91 20

MSD	Sample ID: HS23031564-01MSD	Units: mg/L			Analysis Date: 03-Apr-2023 23:04				
Client ID:	Run ID: ICS-Integrion_431673		SeqNo: 7212492		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrate/Nitrite (as N)		36.93	2.00	40	0.464	91.2	80 - 120	36.04	2.42 20

The following samples were analyzed in this batch:		HS23031557-01	HS23031557-02	HS23031557-03	HS23031557-04				
		HS23031557-05	HS23031557-06	HS23031557-07					

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431783 (0)		Instrument: Skalar 03		Method: ALKALINITY BY SM 2320B-2011					
MBLK	Sample ID: MBLK-04042023	Units: mg/L			Analysis Date: 04-Apr-2023 18:47				
Client ID:		Run ID: Skalar 03_431783	SeqNo: 7215625		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.00							
Alkalinity, Carbonate (As CaCO3)	ND	5.00							
Alkalinity, Total (As CaCO3)	ND	5.00							
LCS	Sample ID: LCS-040423023	Units: mg/L			Analysis Date: 04-Apr-2023 18:53				
Client ID:		Run ID: Skalar 03_431783	SeqNo: 7215626		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Carbonate (As CaCO3)	930.6	5.00	1000	0	93.1	85 - 115			
Alkalinity, Total (As CaCO3)	976.3	5.00	1000	0	97.6	85 - 115			
LCSD	Sample ID: LCSD-04042023	Units: mg/L			Analysis Date: 04-Apr-2023 19:00				
Client ID:		Run ID: Skalar 03_431783	SeqNo: 7215627		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Carbonate (As CaCO3)	933.2	5.00	1000	0	93.3	85 - 115	930.6	0.279	20
Alkalinity, Total (As CaCO3)	951.8	5.00	1000	0	95.2	85 - 115	976.3	2.54	20
DUP	Sample ID: HS23031210-01DUP	Units: mg/L			Analysis Date: 04-Apr-2023 19:10				
Client ID:		Run ID: Skalar 03_431783	SeqNo: 7215629		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Bicarbonate (As CaCO3)	118.2	5.00					141	17.6	20
Alkalinity, Carbonate (As CaCO3)	ND	5.00					0	0	20
Alkalinity, Total (As CaCO3)	118.2	5.00					141	17.6	20
The following samples were analyzed in this batch:			HS23031557-01		HS23031557-02		HS23031557-03		HS23031557-04
			HS23031557-05		HS23031557-06				

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

QC BATCH REPORT

Batch ID: R431902 (0)		Instrument: Skalar 03		Method: ALKALINITY BY SM 2320B-2011					
MBLK	Sample ID: MBLK-04052023	Units: mg/L		Analysis Date: 05-Apr-2023 18:35					
Client ID:	Run ID: Skalar 03_431902	SeqNo: 7218820		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.00							
Alkalinity, Carbonate (As CaCO3)	ND	5.00							
Alkalinity, Total (As CaCO3)	ND	5.00							

LCS	Sample ID: LCS-04052023	Units: mg/L		Analysis Date: 05-Apr-2023 18:41					
Client ID:	Run ID: Skalar 03_431902	SeqNo: 7218821		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Alkalinity, Carbonate (As CaCO3)	907.6	5.00	1000	0	90.8	85 - 115			
Alkalinity, Total (As CaCO3)	986.2	5.00	1000	0	98.6	85 - 115			

LCSD	Sample ID: LCSD-04052023	Units: mg/L		Analysis Date: 05-Apr-2023 18:47					
Client ID:	Run ID: Skalar 03_431902	SeqNo: 7218822		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Alkalinity, Carbonate (As CaCO3)	903	5.00	1000	0	90.3	85 - 115	907.6	0.508	20
Alkalinity, Total (As CaCO3)	950.5	5.00	1000	0	95.0	85 - 115	986.2	3.69	20

DUP	Sample ID: HS23031634-03DUP	Units: mg/L		Analysis Date: 05-Apr-2023 19:38					
Client ID:	Run ID: Skalar 03_431902	SeqNo: 7218829		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Alkalinity, Bicarbonate (As CaCO3)	422.1	5.00					432.4	2.41	20
Alkalinity, Carbonate (As CaCO3)	ND	5.00					0	0	20
Alkalinity, Total (As CaCO3)	422.1	5.00					432.4	2.41	20

The following samples were analyzed in this batch: HS23031557-07

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23031557

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

Sample Receipt Checklist

Work Order ID: HS23031557

Date/Time Received: 24-Mar-2023 10:00

Client Name: Telesto

Received by: Corey Grandits

Completed By: /S/ Niles D. Ranchod	27-Mar-2023 11:40	Reviewed by: /S/ Tyler Monroe	28-Mar-2023 10:13
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

2.9C/2.4C UC/C IR #31

Cooler(s)/Kit(s):

50658

Date/Time sample(s) sent to storage:

03/24/2023 18:00

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒ No ☐ N/A ☐

pH adjusted?

Yes ☐ No ☒ N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



ALS Loveland Service Center
965 E 11th Street
Loveland, CO 80537
Phone: 970-305-1648

CHAIN OF CUSTODY

Page 1 of 1

HS23031557

Telesto Solutions Inc
LRM-Knox Pit



Right Solution
Right Partner

Shipping to Samples to: _____

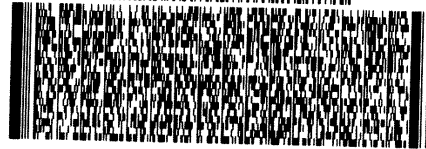
PROJECT NAME		SAMPLER		TIM BARKEN		TURNAROUND: ☐ 10 Day ☐ 5 Day ☐ 3 Day ☐ Other: _____											
PROJECT No.		SITE ID				Parameter/Method Request for Analysis											
360100		EDD FORMAT				A WET CHEM - no preservative											
		PURCHASE ORDER				B Dissolved Metals - Field Filtered - HNO ₃											
COMPANY NAME		BILL TO COMPANY				C Cyanide - NaOH											
Telesto Solutions		INVOICE ATTN TO				D Combined NO ₂ /NO ₃ - H ₂ SO ₄											
SEND REPORT TO		ADDRESS				E											
Tim Barken		CITY / STATE / ZIP				F											
ADDRESS		PHONE				G											
CITY / STATE / ZIP		FAX				H											
PHONE		E-MAIL				I											
(770) 438-5513		tgerken@telesto-inc.com															
FAX																	
E-MAIL																	
SAMPLE #	FIELD ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	MS/MSD	A	B	C	D	E	F	G	H	I
1	MW-06	W	3/22/23	12:50	4				X	X	X	X					
2	02 MW-06			12:55	4				X	X	X	X					
3	MW-12			14:02	4				X	X	X	X					
4	03 MW-13			14:30	4				X	X	X	X					
5	MW-10			15:25	4				X	X	X	X					
6	03 Blank			14:27	4				X	X	X	X					
7	MW-19			16:05	4				X	X	X	X					
8																	
9																	
10																	

* MATRIX: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

DISPOSAL: By lab ☒ Return to Client ☐

Comments: 50658 2-17 PG 2-9a	QC PACKAGE (check below)		RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME	COOLER TEMP
	LEVEL II (Standard QC)		RECEIVED BY		Tracey Littell	3/23/23	15:10	
	LEVEL III (Std QC + forms)		RELINQUISHED BY		AMY KERR	3/23/23	15:40	
	LEVEL IV (Std QC + forms + raw data)		RECEIVED BY		AMY KERR	3/23/23	16:00	
			RELINQUISHED BY					
Preservative: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-NaHSO ₄ 7-Other 8-4°C 9-5035			RECEIVED BY					

REF: TELESTO



FedEx
Express



1 of 2

TRK#
0201

6182 5243 6702

MASTER

XA SGRA

FRI - 24 MAR 10:30A
PRIORITY OVERNIGHT

77099

TX-US IAH