

Sampling Location: MW-06	Sample Date	9/20/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	3.15 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	0.038	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	0.068	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	0.005	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.59	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.021	0.005	**2.5
MANGANESE	MG/L	ND	0.005	0.05
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.008	0.005	0.21
NICKEL	MG/L	0.002	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	3.26	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	7.24 H	0.1	**6.5-8.5
SELENIUM	MG/L	0.005	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	1120	10	***
URANIUM	MG/L	0.0197	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 H = Sample received outside method holding time * 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	9/20/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	3.41 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	0.035	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
BORON	MG/L	0.043	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	0.003	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.499	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.034	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	7.10 H	0.1	**6.5-8.5
SELENIUM	MG/L	0.006	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	2070	10	***
URANIUM	MG/L	0.032	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 H = Sample received outside method holding time * 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	9/20/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water			
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	NM	0.01	**5
ANTIMONY	MG/L	NM	0.002	0.006
ARSENIC	MG/L	NM	0.002	0.01
BARIUM	MG/L	NM	0.004	2
BERYLLIUM	MG/L	NM	0.002	0.004
BORON	MG/L	NM	0.02	**0.75
CADMIUM	MG/L	NM	0.002	0.005
CHROMIUM	MG/L	NM	0.004	0.1
COBALT	MG/L	NM	0.005	**0.05
COPPER	MG/L	NM	0.002	**0.2
CYANIDE, TOTAL	MG/L	NM	0.005	0.2
FLUORIDE	MG/L	NM	0.1	2
IRON	MG/L	NM	0.2	0.3
LEAD	MG/L	NM	0.002	0.05
LITHIUM	MG/L	NM	0.005	**2.5
MANGANESE	MG/L	NM	0.005	0.05
MERCURY	MG/L	NM	0.0002	0.002
MOLYBDENUM	MG/L	NM	0.005	0.21
NICKEL	MG/L	NM	0.002	0.1
NITRATE AS N	MG/L	NM	1	10
NITRATE/NITRITE AS N	MG/L	NM	2	10
NITRITE AS N	MG/L	NM	0.75	1
PH	PH	NM	0.1	**6.5-8.5
SELENIUM	MG/L	NM	0.002	**0.02
SILVER	MG/L	NM	0.002	0.05
THALLIUM	MG/L	NM	0.002	0.002
TOTAL DISSOLVED SOLIDS	MG/L	NM	10	***
URANIUM	MG/L	NM	0.005	0.03
VANADIUM	MG/L	NM	0.005	**0.1
ZINC	MG/L	NM	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				

MW-12 was not sampled Q3 because road construction on 54G was affecting the water level during time of sampling

Sampling Location: MW-13	Sample Date	9/20/2023	9/20/2023	Knox Pit M2017-036	
	Sample Type	Primary	Duplicate		
	Depth to Water	3.60 feet	3.59 feet		
Analyte List	Value Units	Dissolved	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	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	0.181	0.181	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BORON	MG/L	0.063	0.063	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	ND	ND	0.002	**0.2
CYANIDE, TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	0.22	0.21	0.1	2
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.013	0.013	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	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	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	7.48 H	7.46 H	0.1	**6.5-8.5
SELENIUM	MG/L	ND	ND	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	884	912	10	***
URANIUM	MG/L	0.017	0.017	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 H = Sample received outside method holding time * 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	9/20/2023	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	1.48 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	0.407	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.007	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	7.82 H	0.1	**6.5-8.5
SELENIUM	MG/L	ND	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	174	10	***
URANIUM	MG/L	ND	0.005	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	0.005	0.004	**2

ND = Non-Detect

NM= Not Measured

H = Sample received outside method holding time

* 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	9/20/2023	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	2
IRON	MG/L	ND	0.1	0.3
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	0.05
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	5.43 H	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	18	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 H = Sample received outside method holding time * 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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September 28, 2023

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

Work Order: **HS23091223**

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

Dear Tim Gerken,

ALS Environmental received 6 sample(s) on Sep 21, 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: HS23091223

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23091223-01	MW-06	Water		20-Sep-2023 10:12	21-Sep-2023 08:00	☐
HS23091223-02	MW-10	Water		20-Sep-2023 09:40	21-Sep-2023 08:00	☐
HS23091223-03	MW-13	Water		20-Sep-2023 09:00	21-Sep-2023 08:00	☐
HS23091223-04	02 MW-13	Water		20-Sep-2023 09:05	21-Sep-2023 08:00	☐
HS23091223-05	MW-19	Water		20-Sep-2023 11:23	21-Sep-2023 08:00	☐
HS23091223-06	03-Blank	Water		20-Sep-2023 11:18	21-Sep-2023 08:00	☐

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Work Order: HS23091223

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: 201071**

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

Metals by Method SW6020A**Batch ID: 200783****Sample ID: HS23090770-05MS**

- MS and MSD are for an unrelated sample

Sample ID: HS23090770-05PDS

- PDS is for an unrelated sample

WetChemistry by Method E300**Batch ID: R447398****Sample ID: 02 MW-13 (HS23091223-04MS)**

- The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Sulfate)

Sample ID: HS23090185-08MS

- MS and MSD are for an unrelated sample

Batch ID: R447404**Sample ID: 02 MW-13 (HS23091223-04)**

- 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: R447077**

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

WetChemistry by Method M2540C**Batch ID: R447371**

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

WetChemistry by Method SM2320B**Batch ID: R447076**

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

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Work Order: HS23091223

CASE NARRATIVE

WetChemistry by Method SW9014

Batch ID: 200960

- 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: 20-Sep-2023 10:12

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.00751	J	0.00180	0.0100	mg/L	1	23-Sep-2023 00:22
Antimony	0.000557	J	0.000400	0.00200	mg/L	1	23-Sep-2023 00:22
Arsenic	0.000562	J	0.000400	0.00200	mg/L	1	23-Sep-2023 00:22
Barium	0.0383		0.00190	0.00400	mg/L	1	23-Sep-2023 00:22
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:22
Boron	0.0677		0.0110	0.0200	mg/L	1	23-Sep-2023 00:22
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:22
Calcium	275		0.680	10.0	mg/L	20	23-Sep-2023 14:43
Chromium	0.00186	J	0.000400	0.00400	mg/L	1	23-Sep-2023 00:22
Cobalt	0.000548	J	0.000200	0.00500	mg/L	1	23-Sep-2023 00:22
Copper	0.00479		0.00100	0.00200	mg/L	1	23-Sep-2023 00:22
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:22
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:22
Lithium	0.0206		0.00100	0.00500	mg/L	1	23-Sep-2023 00:22
Magnesium	16.6		0.0100	0.200	mg/L	1	23-Sep-2023 00:22
Manganese	U		0.000700	0.00500	mg/L	1	23-Sep-2023 00:22
Molybdenum	0.00803		0.000600	0.00500	mg/L	1	23-Sep-2023 00:22
Nickel	0.00204		0.000600	0.00200	mg/L	1	23-Sep-2023 00:22
Potassium	5.98		0.0180	0.200	mg/L	1	23-Sep-2023 00:22
Selenium	0.00450		0.00110	0.00200	mg/L	1	23-Sep-2023 00:22
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:22
Sodium	19.3		0.0140	0.200	mg/L	1	23-Sep-2023 00:22
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:22
Uranium	0.0197		0.000500	0.00500	mg/L	1	23-Sep-2023 00:22
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:22
Zinc	0.00252	J	0.00200	0.00400	mg/L	1	23-Sep-2023 00:22
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:12
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	40.1		0.200	0.500	mg/L	1	26-Sep-2023 17:33
Fluoride	0.586		0.0500	0.100	mg/L	1	26-Sep-2023 17:33
Sulfate	480		4.00	10.0	mg/L	20	26-Sep-2023 17:38
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	3.26		0.300	2.00	mg/L	10	26-Sep-2023 22:28
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	1,120		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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: 20-Sep-2023 10:12

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO ₃)	280		5.00	5.00	mg/L	1	22-Sep-2023 10:38
Alkalinity, Carbonate (As CaCO ₃)	U		5.00	5.00	mg/L	1	22-Sep-2023 10:38
Alkalinity, Total (As CaCO ₃)	280		5.00	5.00	mg/L	1	22-Sep-2023 10:38
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	7.24	H	0.100	0.100	pH Units	1	22-Sep-2023 10:38
Temp Deg C @pH	17.7	H	0	0	°C	1	22-Sep-2023 10:38
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023 Analyst: JAC	
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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: 20-Sep-2023 09:40

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-02
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.00938	J	0.00180	0.0100	mg/L	1	23-Sep-2023 00:24
Antimony	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:24
Arsenic	0.000444	J	0.000400	0.00200	mg/L	1	23-Sep-2023 00:24
Barium	0.0350		0.00190	0.00400	mg/L	1	23-Sep-2023 00:24
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:24
Boron	0.0433		0.0110	0.0200	mg/L	1	23-Sep-2023 00:24
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:24
Calcium	503		3.40	50.0	mg/L	100	23-Sep-2023 14:45
Chromium	U		0.000400	0.00400	mg/L	1	23-Sep-2023 00:24
Cobalt	0.000881	J	0.000200	0.00500	mg/L	1	23-Sep-2023 00:24
Copper	0.00296		0.00100	0.00200	mg/L	1	23-Sep-2023 00:24
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:24
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:24
Lithium	0.0339		0.00100	0.00500	mg/L	1	23-Sep-2023 00:24
Magnesium	32.3		0.0100	0.200	mg/L	1	23-Sep-2023 00:24
Manganese	0.00219	J	0.000700	0.00500	mg/L	1	23-Sep-2023 00:24
Molybdenum	0.00448	J	0.000600	0.00500	mg/L	1	23-Sep-2023 00:24
Nickel	0.00185	J	0.000600	0.00200	mg/L	1	23-Sep-2023 00:24
Potassium	5.64		0.0180	0.200	mg/L	1	23-Sep-2023 00:24
Selenium	0.00684		0.00110	0.00200	mg/L	1	23-Sep-2023 00:24
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:24
Sodium	25.0		0.0140	0.200	mg/L	1	23-Sep-2023 00:24
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:24
Uranium	0.0319		0.000500	0.00500	mg/L	1	23-Sep-2023 00:24
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:24
Zinc	0.00203	J	0.00200	0.00400	mg/L	1	23-Sep-2023 00:24
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:23
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	28.5		0.200	0.500	mg/L	1	26-Sep-2023 17:44
Fluoride	0.499		0.0500	0.100	mg/L	1	26-Sep-2023 17:44
Sulfate	1,480		4.00	10.0	mg/L	20	26-Sep-2023 17:50
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.370	J	0.300	2.00	mg/L	10	26-Sep-2023 22:45
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	2,070		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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: 20-Sep-2023 09:40

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-02
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO ₃)	222		5.00	5.00	mg/L	1	22-Sep-2023 10:49
Alkalinity, Carbonate (As CaCO ₃)	U		5.00	5.00	mg/L	1	22-Sep-2023 10:49
Alkalinity, Total (As CaCO ₃)	222		5.00	5.00	mg/L	1	22-Sep-2023 10:49
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	7.10	H	0.100	0.100	pH Units	1	22-Sep-2023 10:49
Temp Deg C @pH	17.8	H	0	0	°C	1	22-Sep-2023 10:49
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023 Analyst: JAC	
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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: 20-Sep-2023 09:00

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-03
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.00687	J	0.00180	0.0100	mg/L	1	23-Sep-2023 00:26
Antimony	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:26
Arsenic	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:26
Barium	0.181		0.00190	0.00400	mg/L	1	23-Sep-2023 00:26
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:26
Boron	0.0633		0.0110	0.0200	mg/L	1	23-Sep-2023 00:26
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:26
Calcium	217		0.680	10.0	mg/L	20	23-Sep-2023 14:47
Chromium	U		0.000400	0.00400	mg/L	1	23-Sep-2023 00:26
Cobalt	0.000366	J	0.000200	0.00500	mg/L	1	23-Sep-2023 00:26
Copper	0.00157	J	0.00100	0.00200	mg/L	1	23-Sep-2023 00:26
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:26
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:26
Lithium	0.0133		0.00100	0.00500	mg/L	1	23-Sep-2023 00:26
Magnesium	27.1		0.0100	0.200	mg/L	1	23-Sep-2023 00:26
Manganese	U		0.000700	0.00500	mg/L	1	23-Sep-2023 00:26
Molybdenum	0.00179	J	0.000600	0.00500	mg/L	1	23-Sep-2023 00:26
Nickel	0.000718	J	0.000600	0.00200	mg/L	1	23-Sep-2023 00:26
Potassium	2.27		0.0180	0.200	mg/L	1	23-Sep-2023 00:26
Selenium	U		0.00110	0.00200	mg/L	1	23-Sep-2023 00:26
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:26
Sodium	19.8		0.0140	0.200	mg/L	1	23-Sep-2023 00:26
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:26
Uranium	0.0170		0.000500	0.00500	mg/L	1	23-Sep-2023 00:26
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:26
Zinc	U		0.00200	0.00400	mg/L	1	23-Sep-2023 00:26
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:24
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	18.4		0.200	0.500	mg/L	1	26-Sep-2023 18:25
Fluoride	0.220		0.0500	0.100	mg/L	1	26-Sep-2023 18:25
Sulfate	457		2.00	5.00	mg/L	10	26-Sep-2023 18:30
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.314	J	0.300	2.00	mg/L	10	26-Sep-2023 23:25
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	884		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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: 20-Sep-2023 09:00

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-03
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO3)	306		5.00	5.00	mg/L	1	22-Sep-2023 10:55
Alkalinity, Carbonate (As CaCO3)	U		5.00	5.00	mg/L	1	22-Sep-2023 10:55
Alkalinity, Total (As CaCO3)	306		5.00	5.00	mg/L	1	22-Sep-2023 10:55
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	7.48	H	0.100	0.100	pH Units	1	22-Sep-2023 10:55
Temp Deg C @pH	18.2	H	0	0	°C	1	22-Sep-2023 10:55
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023 Analyst: JAC	
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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

Client: Telesto Solutions Inc
 Project: LRM-Knox Pit
 Sample ID: 02 MW-13
 Collection Date: 20-Sep-2023 09:05

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-04
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.00786	J	0.00180	0.0100	mg/L	1	23-Sep-2023 00:28
Antimony	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:28
Arsenic	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:28
Barium	0.181		0.00190	0.00400	mg/L	1	23-Sep-2023 00:28
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:28
Boron	0.0629		0.0110	0.0200	mg/L	1	23-Sep-2023 00:28
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:28
Calcium	213		0.680	10.0	mg/L	20	23-Sep-2023 14:49
Chromium	U		0.000400	0.00400	mg/L	1	23-Sep-2023 00:28
Cobalt	0.000422	J	0.000200	0.00500	mg/L	1	23-Sep-2023 00:28
Copper	0.00159	J	0.00100	0.00200	mg/L	1	23-Sep-2023 00:28
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:28
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:28
Lithium	0.0133		0.00100	0.00500	mg/L	1	23-Sep-2023 00:28
Magnesium	26.5		0.0100	0.200	mg/L	1	23-Sep-2023 00:28
Manganese	U		0.000700	0.00500	mg/L	1	23-Sep-2023 00:28
Molybdenum	0.00165	J	0.000600	0.00500	mg/L	1	23-Sep-2023 00:28
Nickel	0.000818	J	0.000600	0.00200	mg/L	1	23-Sep-2023 00:28
Potassium	2.26		0.0180	0.200	mg/L	1	23-Sep-2023 00:28
Selenium	U		0.00110	0.00200	mg/L	1	23-Sep-2023 00:28
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:28
Sodium	19.5		0.0140	0.200	mg/L	1	23-Sep-2023 00:28
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:28
Uranium	0.0168		0.000500	0.00500	mg/L	1	23-Sep-2023 00:28
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:28
Zinc	0.00312	J	0.00200	0.00400	mg/L	1	23-Sep-2023 00:28
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:26
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	18.5		0.200	0.500	mg/L	1	26-Sep-2023 17:09
Fluoride	0.209		0.0500	0.100	mg/L	1	26-Sep-2023 17:09
Sulfate	445		1.00	2.50	mg/L	5	26-Sep-2023 17:27
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.304	J	0.300	2.00	mg/L	10	26-Sep-2023 23:31
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	912		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
Sample ID: 02 MW-13
Collection Date: 20-Sep-2023 09:05

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-04
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO3)	319		5.00	5.00	mg/L	1	22-Sep-2023 11:01
Alkalinity, Carbonate (As CaCO3)	U		5.00	5.00	mg/L	1	22-Sep-2023 11:01
Alkalinity, Total (As CaCO3)	319		5.00	5.00	mg/L	1	22-Sep-2023 11:01
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	7.46	H	0.100	0.100	pH Units	1	22-Sep-2023 11:01
Temp Deg C @pH	18.8	H	0	0	°C	1	22-Sep-2023 11:01
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023 Analyst: JAC	
Cyanide	0.00300	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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: 20-Sep-2023 11:23

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-05
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.0100		0.00180	0.0100	mg/L	1	23-Sep-2023 00:30
Antimony	0.000467	J	0.000400	0.00200	mg/L	1	23-Sep-2023 00:30
Arsenic	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:30
Barium	0.0336		0.00190	0.00400	mg/L	1	23-Sep-2023 00:30
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:30
Boron	0.0159	J	0.0110	0.0200	mg/L	1	23-Sep-2023 00:30
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:30
Calcium	44.0		0.0340	0.500	mg/L	1	23-Sep-2023 00:30
Chromium	0.000437	J	0.000400	0.00400	mg/L	1	23-Sep-2023 00:30
Cobalt	U		0.000200	0.00500	mg/L	1	23-Sep-2023 00:30
Copper	0.00145	J	0.00100	0.00200	mg/L	1	23-Sep-2023 00:30
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:30
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:30
Lithium	0.00736		0.00100	0.00500	mg/L	1	23-Sep-2023 00:30
Magnesium	5.28		0.0100	0.200	mg/L	1	23-Sep-2023 00:30
Manganese	0.00260	J	0.000700	0.00500	mg/L	1	23-Sep-2023 00:30
Molybdenum	0.00337	J	0.000600	0.00500	mg/L	1	23-Sep-2023 00:30
Nickel	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:30
Potassium	1.19		0.0180	0.200	mg/L	1	23-Sep-2023 00:30
Selenium	U		0.00110	0.00200	mg/L	1	23-Sep-2023 00:30
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:30
Sodium	5.21		0.0140	0.200	mg/L	1	23-Sep-2023 00:30
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:30
Uranium	0.00111	J	0.000500	0.00500	mg/L	1	23-Sep-2023 00:30
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:30
Zinc	0.00526		0.00200	0.00400	mg/L	1	23-Sep-2023 00:30
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:28
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	3.10		0.200	0.500	mg/L	1	26-Sep-2023 18:36
Fluoride	0.407		0.0500	0.100	mg/L	1	26-Sep-2023 18:36
Sulfate	27.9		0.200	0.500	mg/L	1	26-Sep-2023 18:36
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.316	J	0.300	2.00	mg/L	10	26-Sep-2023 23:37
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	174		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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: 20-Sep-2023 11:23

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-05
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO ₃)	108		5.00	5.00	mg/L	1	22-Sep-2023 11:05
Alkalinity, Carbonate (As CaCO ₃)	U		5.00	5.00	mg/L	1	22-Sep-2023 11:05
Alkalinity, Total (As CaCO ₃)	108		5.00	5.00	mg/L	1	22-Sep-2023 11:05
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	7.82	H	0.100	0.100	pH Units	1	22-Sep-2023 11:05
Temp Deg C @pH	19.3	H	0	0	°C	1	22-Sep-2023 11:05
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023 Analyst: JAC	
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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: 20-Sep-2023 11:18

ANALYTICAL REPORT

WorkOrder:HS23091223
 Lab ID:HS23091223-06
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Sep-2023		Analyst: MSC	
Aluminum	0.00733	J	0.00180	0.0100	mg/L	1	23-Sep-2023 00:32
Antimony	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:32
Arsenic	U		0.000400	0.00200	mg/L	1	23-Sep-2023 00:32
Barium	U		0.00190	0.00400	mg/L	1	23-Sep-2023 00:32
Beryllium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:32
Boron	U		0.0110	0.0200	mg/L	1	23-Sep-2023 00:32
Cadmium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:32
Calcium	0.0415	J	0.0340	0.500	mg/L	1	23-Sep-2023 00:32
Chromium	0.000730	J	0.000400	0.00400	mg/L	1	23-Sep-2023 00:32
Cobalt	U		0.000200	0.00500	mg/L	1	23-Sep-2023 00:32
Copper	U		0.00100	0.00200	mg/L	1	23-Sep-2023 00:32
Iron	U		0.0120	0.200	mg/L	1	23-Sep-2023 00:32
Lead	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:32
Lithium	U		0.00100	0.00500	mg/L	1	23-Sep-2023 00:32
Magnesium	0.0184	J	0.0100	0.200	mg/L	1	23-Sep-2023 00:32
Manganese	U		0.000700	0.00500	mg/L	1	23-Sep-2023 00:32
Molybdenum	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:32
Nickel	U		0.000600	0.00200	mg/L	1	23-Sep-2023 00:32
Potassium	U		0.0180	0.200	mg/L	1	23-Sep-2023 00:32
Selenium	U		0.00110	0.00200	mg/L	1	23-Sep-2023 00:32
Silver	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:32
Sodium	0.0241	J	0.0140	0.200	mg/L	1	23-Sep-2023 00:32
Thallium	U		0.000200	0.00200	mg/L	1	23-Sep-2023 00:32
Uranium	U		0.000500	0.00500	mg/L	1	23-Sep-2023 00:32
Vanadium	U		0.000600	0.00500	mg/L	1	23-Sep-2023 00:32
Zinc	0.00362	J	0.00200	0.00400	mg/L	1	23-Sep-2023 00:32
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 27-Sep-2023		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	27-Sep-2023 20:29
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	U		0.200	0.500	mg/L	1	26-Sep-2023 18:48
Fluoride	U		0.0500	0.100	mg/L	1	26-Sep-2023 18:48
Sulfate	U		0.200	0.500	mg/L	1	26-Sep-2023 18:48
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	U		0.300	2.00	mg/L	10	26-Sep-2023 23:43
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: MC	
Total Dissolved Solids (Residue, Filterable)	18.0		5.00	10.0	mg/L	1	25-Sep-2023 15:33

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: 20-Sep-2023 11:18

ANALYTICAL REPORT

WorkOrder:HS23091223
Lab ID:HS23091223-06
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: DW	
Alkalinity, Bicarbonate (As CaCO3)	U		5.00	5.00	mg/L	1	22-Sep-2023 11:10
Alkalinity, Carbonate (As CaCO3)	U		5.00	5.00	mg/L	1	22-Sep-2023 11:10
Alkalinity, Total (As CaCO3)	U		5.00	5.00	mg/L	1	22-Sep-2023 11:10
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: DW	
pH	5.43	H	0.100	0.100	pH Units	1	22-Sep-2023 11:10
Temp Deg C @pH	20.2	H	0	0	°C	1	22-Sep-2023 11:10
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 26-Sep-2023	Analyst: JAC
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	26-Sep-2023 15:58

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

Weight / Prep Log

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

Batch ID: 200783

Start Date: 21 Sep 2023 12:00

End Date: 21 Sep 2023 12:00

Method: DISS METALS PREP - WATER - SW3010A

Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091223-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 200960

Start Date: 26 Sep 2023 08:30

End Date: 26 Sep 2023 08:30

Method: CYANIDE PREP - SW9010C

Prep Code: CN_TW_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091223-01		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23091223-02		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23091223-03		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23091223-04		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23091223-05		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS23091223-06		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH

Batch ID: 201071

Start Date: 27 Sep 2023 10:00

End Date: 27 Sep 2023 10:00

Method: MERCURY PREP BY 7470A - DISSOLVED

Prep Code: HG_W_DISSPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091223-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23091223-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 200783 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12		21 Sep 2023 12:00	23 Sep 2023 14:43	20
HS23091223-01	MW-06	20 Sep 2023 10:12		21 Sep 2023 12:00	23 Sep 2023 00:22	1
HS23091223-02	MW-10	20 Sep 2023 09:40		21 Sep 2023 12:00	23 Sep 2023 14:45	100
HS23091223-02	MW-10	20 Sep 2023 09:40		21 Sep 2023 12:00	23 Sep 2023 00:24	1
HS23091223-03	MW-13	20 Sep 2023 09:00		21 Sep 2023 12:00	23 Sep 2023 14:47	20
HS23091223-03	MW-13	20 Sep 2023 09:00		21 Sep 2023 12:00	23 Sep 2023 00:26	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05		21 Sep 2023 12:00	23 Sep 2023 14:49	20
HS23091223-04	02 MW-13	20 Sep 2023 09:05		21 Sep 2023 12:00	23 Sep 2023 00:28	1
HS23091223-05	MW-19	20 Sep 2023 11:23		21 Sep 2023 12:00	23 Sep 2023 00:30	1
HS23091223-06	03-Blank	20 Sep 2023 11:18		21 Sep 2023 12:00	23 Sep 2023 00:32	1
Batch ID: 200960 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12		26 Sep 2023 08:30	26 Sep 2023 15:58	1
HS23091223-02	MW-10	20 Sep 2023 09:40		26 Sep 2023 08:30	26 Sep 2023 15:58	1
HS23091223-03	MW-13	20 Sep 2023 09:00		26 Sep 2023 08:30	26 Sep 2023 15:58	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05		26 Sep 2023 08:30	26 Sep 2023 15:58	1
HS23091223-05	MW-19	20 Sep 2023 11:23		26 Sep 2023 08:30	26 Sep 2023 15:58	1
HS23091223-06	03-Blank	20 Sep 2023 11:18		26 Sep 2023 08:30	26 Sep 2023 15:58	1
Batch ID: 201071 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12		27 Sep 2023 10:00	27 Sep 2023 20:12	1
HS23091223-02	MW-10	20 Sep 2023 09:40		27 Sep 2023 10:00	27 Sep 2023 20:23	1
HS23091223-03	MW-13	20 Sep 2023 09:00		27 Sep 2023 10:00	27 Sep 2023 20:24	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05		27 Sep 2023 10:00	27 Sep 2023 20:26	1
HS23091223-05	MW-19	20 Sep 2023 11:23		27 Sep 2023 10:00	27 Sep 2023 20:28	1
HS23091223-06	03-Blank	20 Sep 2023 11:18		27 Sep 2023 10:00	27 Sep 2023 20:29	1
Batch ID: R447076 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12			22 Sep 2023 10:38	1
HS23091223-02	MW-10	20 Sep 2023 09:40			22 Sep 2023 10:49	1
HS23091223-03	MW-13	20 Sep 2023 09:00			22 Sep 2023 10:55	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05			22 Sep 2023 11:01	1
HS23091223-05	MW-19	20 Sep 2023 11:23			22 Sep 2023 11:05	1
HS23091223-06	03-Blank	20 Sep 2023 11:18			22 Sep 2023 11:10	1

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R447077 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12			22 Sep 2023 10:38	1
HS23091223-02	MW-10	20 Sep 2023 09:40			22 Sep 2023 10:49	1
HS23091223-03	MW-13	20 Sep 2023 09:00			22 Sep 2023 10:55	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05			22 Sep 2023 11:01	1
HS23091223-05	MW-19	20 Sep 2023 11:23			22 Sep 2023 11:05	1
HS23091223-06	03-Blank	20 Sep 2023 11:18			22 Sep 2023 11:10	1
Batch ID: R447371 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12			25 Sep 2023 15:33	1
HS23091223-02	MW-10	20 Sep 2023 09:40			25 Sep 2023 15:33	1
HS23091223-03	MW-13	20 Sep 2023 09:00			25 Sep 2023 15:33	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05			25 Sep 2023 15:33	1
HS23091223-05	MW-19	20 Sep 2023 11:23			25 Sep 2023 15:33	1
HS23091223-06	03-Blank	20 Sep 2023 11:18			25 Sep 2023 15:33	1
Batch ID: R447398 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12			26 Sep 2023 17:38	20
HS23091223-01	MW-06	20 Sep 2023 10:12			26 Sep 2023 17:33	1
HS23091223-02	MW-10	20 Sep 2023 09:40			26 Sep 2023 17:50	20
HS23091223-02	MW-10	20 Sep 2023 09:40			26 Sep 2023 17:44	1
HS23091223-03	MW-13	20 Sep 2023 09:00			26 Sep 2023 18:30	10
HS23091223-03	MW-13	20 Sep 2023 09:00			26 Sep 2023 18:25	1
HS23091223-04	02 MW-13	20 Sep 2023 09:05			26 Sep 2023 17:27	5
HS23091223-04	02 MW-13	20 Sep 2023 09:05			26 Sep 2023 17:09	1
HS23091223-05	MW-19	20 Sep 2023 11:23			26 Sep 2023 18:36	1
HS23091223-06	03-Blank	20 Sep 2023 11:18			26 Sep 2023 18:48	1
Batch ID: R447404 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23091223-01	MW-06	20 Sep 2023 10:12			26 Sep 2023 22:28	10
HS23091223-02	MW-10	20 Sep 2023 09:40			26 Sep 2023 22:45	10
HS23091223-03	MW-13	20 Sep 2023 09:00			26 Sep 2023 23:25	10
HS23091223-04	02 MW-13	20 Sep 2023 09:05			26 Sep 2023 23:31	10
HS23091223-05	MW-19	20 Sep 2023 11:23			26 Sep 2023 23:37	10
HS23091223-06	03-Blank	20 Sep 2023 11:18			26 Sep 2023 23:43	10

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-F1-200783	Units: mg/L		Analysis Date: 23-Sep-2023 13:36					
Client ID:	Run ID: ICPMS06_447139		SeqNo: 7561404		PrepDate: 21-Sep-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Aluminum	0.004616	0.0100							J
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MBLK	Sample ID: MBLK-200783	Units: mg/L		Analysis Date: 23-Sep-2023 13:34					
Client ID:	Run ID: ICPMS06_447139		SeqNo: 7561403		PrepDate: 21-Sep-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Aluminum	0.002287	0.0100							J
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Antimony	U	0.00200							
Arsenic	U	0.00200							
Barium	U	0.00400							
Beryllium	U	0.00200							
Boron	U	0.0200							
Cadmium	U	0.00200							
Calcium	U	0.500							
Chromium	U	0.00400							
Cobalt	U	0.00500							
Copper	U	0.00200							
Iron	U	0.200							
Lead	U	0.00200							
Lithium	U	0.00500							
Magnesium	U	0.200							
Manganese	U	0.00500							
Molybdenum	U	0.00500							
Nickel	U	0.00200							
Potassium	U	0.200							
Selenium	U	0.00200							
Silver	U	0.00200							
Sodium	U	0.200							
Thallium	U	0.00200							
Uranium	U	0.00500							
Vanadium	0.000936	0.00500							J
Zinc	U	0.00400							

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLKT1-200783	Units: mg/L		Analysis Date: 22-Sep-2023 23:09					
Client ID:	Run ID: ICPMS06_447082	SeqNo: 7561148		PrepDate: 21-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Antimony	U	0.00200							
Arsenic	U	0.00200							
Barium	U	0.00400							
Beryllium	U	0.00200							
Boron	U	0.0200							
Cadmium	U	0.00200							
Calcium	U	0.500							
Chromium	U	0.00400							
Cobalt	U	0.00500							
Copper	U	0.00200							
Iron	U	0.200							
Lead	U	0.00200							
Lithium	U	0.00500							
Magnesium	0.02557	0.200							J
Manganese	U	0.00500							
Molybdenum	U	0.00500							
Nickel	U	0.00200							
Potassium	U	0.200							
Selenium	U	0.00200							
Silver	U	0.00200							
Sodium	0.02204	0.200							J
Thallium	U	0.00200							
Uranium	U	0.00500							
Vanadium	U	0.00500							
Zinc	U	0.00400							

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS		Sample ID: LCS-200783		Units: mg/L		Analysis Date: 22-Sep-2023 23:11			
Client ID:		Run ID: ICPMS06_447082		SeqNo: 7561149		PrepDate: 21-Sep-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1149	0.0100	0.1	0	115	80 - 120			
Antimony	0.04971	0.00200	0.05	0	99.4	80 - 120			
Arsenic	0.04785	0.00200	0.05	0	95.7	80 - 120			
Barium	0.0492	0.00400	0.05	0	98.4	80 - 120			
Beryllium	0.04847	0.00200	0.05	0	96.9	80 - 120			
Boron	0.4741	0.0200	0.5	0	94.8	80 - 120			
Cadmium	0.04946	0.00200	0.05	0	98.9	80 - 120			
Calcium	4.962	0.500	5	0	99.2	80 - 120			
Chromium	0.04734	0.00400	0.05	0	94.7	80 - 120			
Cobalt	0.04792	0.00500	0.05	0	95.8	80 - 120			
Copper	0.04921	0.00200	0.05	0	98.4	80 - 120			
Iron	4.801	0.200	5	0	96.0	80 - 120			
Lead	0.04669	0.00200	0.05	0	93.4	80 - 120			
Lithium	0.09763	0.00500	0.1	0	97.6	80 - 120			
Magnesium	5.017	0.200	5	0	100	80 - 120			
Manganese	0.04776	0.00500	0.05	0	95.5	80 - 120			
Molybdenum	0.04645	0.00500	0.05	0	92.9	80 - 120			
Nickel	0.04784	0.00200	0.05	0	95.7	80 - 120			
Potassium	4.943	0.200	5	0	98.9	80 - 120			
Selenium	0.04935	0.00200	0.05	0	98.7	80 - 120			
Silver	0.04649	0.00200	0.05	0	93.0	80 - 120			
Sodium	4.793	0.200	5	0	95.9	80 - 120			
Uranium	0.09647	0.00500	0.1	0	96.5	80 - 120			
Vanadium	0.04674	0.00500	0.05	0	93.5	80 - 120			
Zinc	0.0508	0.00400	0.05	0	102	80 - 120			

LCS		Sample ID: LCS-200783		Units: mg/L		Analysis Date: 23-Sep-2023 13:40			
Client ID:		Run ID: ICPMS06_447139		SeqNo: 7561406		PrepDate: 21-Sep-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Thallium	0.05094	0.00200	0.05	0	102	80 - 120			

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCSD		Sample ID: LCSD-200783		Units: mg/L		Analysis Date: 22-Sep-2023 23:13			
Client ID:		Run ID: ICPMS06_447082		SeqNo: 7561150		PrepDate: 21-Sep-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.09684	0.0100	0.1	0	96.8	80 - 120	0.1149	17.1	20
Antimony	0.04847	0.00200	0.05	0	96.9	80 - 120	0.04971	2.53	20
Arsenic	0.04689	0.00200	0.05	0	93.8	80 - 120	0.04785	2.02	20
Barium	0.04831	0.00400	0.05	0	96.6	80 - 120	0.0492	1.81	20
Beryllium	0.04745	0.00200	0.05	0	94.9	80 - 120	0.04847	2.13	20
Boron	0.4642	0.0200	0.5	0	92.8	80 - 120	0.4741	2.11	20
Cadmium	0.04775	0.00200	0.05	0	95.5	80 - 120	0.04946	3.51	20
Calcium	4.654	0.500	5	0	93.1	80 - 120	4.962	6.41	20
Chromium	0.04615	0.00400	0.05	0	92.3	80 - 120	0.04734	2.55	20
Cobalt	0.04712	0.00500	0.05	0	94.2	80 - 120	0.04792	1.68	20
Copper	0.04824	0.00200	0.05	0	96.5	80 - 120	0.04921	1.99	20
Iron	4.776	0.200	5	0	95.5	80 - 120	4.801	0.503	20
Lead	0.04622	0.00200	0.05	0	92.4	80 - 120	0.04669	1	20
Lithium	0.09366	0.00500	0.1	0	93.7	80 - 120	0.09763	4.15	20
Magnesium	4.832	0.200	5	0	96.6	80 - 120	5.017	3.77	20
Manganese	0.0467	0.00500	0.05	0	93.4	80 - 120	0.04776	2.25	20
Molybdenum	0.04554	0.00500	0.05	0	91.1	80 - 120	0.04645	1.96	20
Nickel	0.04688	0.00200	0.05	0	93.8	80 - 120	0.04784	2.02	20
Potassium	4.796	0.200	5	0	95.9	80 - 120	4.943	3.02	20
Selenium	0.04859	0.00200	0.05	0	97.2	80 - 120	0.04935	1.55	20
Silver	0.04439	0.00200	0.05	0	88.8	80 - 120	0.04649	4.63	20
Sodium	4.68	0.200	5	0	93.6	80 - 120	4.793	2.38	20
Uranium	0.09474	0.00500	0.1	0	94.7	80 - 120	0.09647	1.81	20
Vanadium	0.04572	0.00500	0.05	0	91.4	80 - 120	0.04674	2.22	20
Zinc	0.05079	0.00400	0.05	0	102	80 - 120	0.0508	0.0236	20

LCSD		Sample ID: LCSD-200783		Units: mg/L		Analysis Date: 23-Sep-2023 13:42			
Client ID:		Run ID: ICPMS06_447139		SeqNo: 7561407		PrepDate: 21-Sep-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Thallium	0.05165	0.00200	0.05	0	103	80 - 120	0.05094	1.4	20

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS23090770-05MS		Units: mg/L		Analysis Date: 22-Sep-2023 23:25			
Client ID:		Run ID: ICPMS06_447082		SeqNo: 7561156		PrepDate: 21-Sep-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.09552	0.0100	0.05	0.009437	172	75 - 125			S
Antimony	0.04689	0.00200	0.05	0.000161	93.5	75 - 125			
Arsenic	0.04691	0.00200	0.05	0.00046	92.9	75 - 125			
Barium	0.06053	0.00400	0.05	0.01421	92.6	75 - 125			
Beryllium	0.04636	0.00200	0.05	0.000023	92.7	75 - 125			
Boron	0.7184	0.0200	0.5	0.2515	93.4	75 - 125			
Cadmium	0.04462	0.00200	0.05	0.000026	89.2	75 - 125			
Calcium	471.1	0.500	5	493.8	-454	75 - 125			SEO
Chromium	0.04349	0.00400	0.05	-0.000153	87.3	75 - 125			
Cobalt	0.04462	0.00500	0.05	0.000812	87.6	75 - 125			
Copper	0.04456	0.00200	0.05	0.000915	87.3	75 - 125			
Iron	4.46	0.200	5	0.006932	89.1	75 - 125			
Lead	0.04497	0.00200	0.05	0.000011	89.9	75 - 125			
Lithium	0.1383	0.00500	0.05	0.04518	186	75 - 125			S
Magnesium	17.07	0.200	5	13.63	68.9	75 - 125			S
Manganese	0.09133	0.00500	0.05	0.05012	82.4	75 - 125			
Molybdenum	0.06533	0.00500	0.05	0.02189	86.9	75 - 125			
Nickel	0.0501	0.00200	0.05	0.007184	85.8	75 - 125			
Potassium	6.946	0.200	5	2.619	86.5	75 - 125			
Selenium	0.04678	0.00200	0.05	0.000171	93.2	75 - 125			
Silver	0.04008	0.00200	0.05	0.000026	80.1	75 - 125			
Sodium	165.9	0.200	5	170.2	-87.3	75 - 125			SO
Thallium	0.03694	0.00200	0.05	0.000325	73.2	75 - 125			S
Uranium	0.1393	0.00500	0.05	0.04549	188	75 - 125			S
Vanadium	0.04409	0.00500	0.05	-0.000178	88.5	75 - 125			
Zinc	0.04709	0.00400	0.05	0.001904	90.4	75 - 125			

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
MSD		Sample ID: HS23090770-05MSD		Units: mg/L		Analysis Date: 22-Sep-2023 23:27				
Client ID:		Run ID: ICPMS06_447082		SeqNo: 7561157		PrepDate: 21-Sep-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.09402	0.0100	0.05	0.009437	169	75 - 125	0.09552	1.59	20	S
Antimony	0.04659	0.00200	0.05	0.000161	92.9	75 - 125	0.04689	0.65	20	
Arsenic	0.04694	0.00200	0.05	0.00046	93.0	75 - 125	0.04691	0.0639	20	
Barium	0.06085	0.00400	0.05	0.01421	93.3	75 - 125	0.06053	0.529	20	
Beryllium	0.04649	0.00200	0.05	0.000023	92.9	75 - 125	0.04636	0.28	20	
Boron	0.7276	0.0200	0.5	0.2515	95.2	75 - 125	0.7184	1.26	20	
Cadmium	0.04578	0.00200	0.05	0.000026	91.5	75 - 125	0.04462	2.56	20	
Calcium	467.9	0.500	5	493.8	-520	75 - 125	471.1	0.698	20	SEO
Chromium	0.04372	0.00400	0.05	-0.000153	87.8	75 - 125	0.04349	0.541	20	
Cobalt	0.04455	0.00500	0.05	0.000812	87.5	75 - 125	0.04462	0.137	20	
Copper	0.04468	0.00200	0.05	0.000915	87.5	75 - 125	0.04456	0.286	20	
Iron	4.416	0.200	5	0.006932	88.2	75 - 125	4.46	0.99	20	
Lead	0.0463	0.00200	0.05	0.000011	92.6	75 - 125	0.04497	2.91	20	
Lithium	0.1386	0.00500	0.05	0.04518	187	75 - 125	0.1383	0.205	20	S
Magnesium	16.86	0.200	5	13.63	64.7	75 - 125	17.07	1.22	20	S
Manganese	0.09014	0.00500	0.05	0.05012	80.0	75 - 125	0.09133	1.31	20	
Molybdenum	0.06709	0.00500	0.05	0.02189	90.4	75 - 125	0.06533	2.66	20	
Nickel	0.05041	0.00200	0.05	0.007184	86.4	75 - 125	0.0501	0.604	20	
Potassium	6.907	0.200	5	2.619	85.8	75 - 125	6.946	0.566	20	
Selenium	0.04777	0.00200	0.05	0.000171	95.2	75 - 125	0.04678	2.09	20	
Silver	0.04059	0.00200	0.05	0.000026	81.1	75 - 125	0.04008	1.27	20	
Sodium	165.1	0.200	5	170.2	-103	75 - 125	165.9	0.46	20	SO
Thallium	0.03874	0.00200	0.05	0.000325	76.8	75 - 125	0.03694	4.78	20	
Uranium	0.1412	0.00500	0.05	0.04549	191	75 - 125	0.1393	1.4	20	S
Vanadium	0.04386	0.00500	0.05	-0.000178	88.1	75 - 125	0.04409	0.535	20	
Zinc	0.05081	0.00400	0.05	0.001904	97.8	75 - 125	0.04709	7.59	20	

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS	Sample ID: HS23090770-05PDS	Units: mg/L			Analysis Date: 22-Sep-2023 23:28				
Client ID:	Run ID: ICPMS06_447082	SeqNo: 7561158		PrepDate: 21-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.09727	0.0100	0.1	0.009437	87.8	75 - 125			
Antimony	0.09701	0.00200	0.1	0.000161	96.8	75 - 125			
Arsenic	0.0972	0.00200	0.1	0.00046	96.7	75 - 125			
Barium	0.1126	0.00400	0.1	0.01421	98.4	75 - 125			
Beryllium	0.09505	0.00200	0.1	0.000023	95.0	75 - 125			
Boron	0.6431	0.0200	0.05	0.2515	783	75 - 125			SO
Cadmium	0.09406	0.00200	0.1	0.000026	94.0	75 - 125			
Chromium	0.091	0.00400	0.1	-0.000153	91.1	75 - 125			
Cobalt	0.09222	0.00500	0.1	0.000812	91.4	75 - 125			
Copper	0.0918	0.00200	0.1	0.000915	90.9	75 - 125			
Iron	9.218	0.200	10	0.006932	92.1	75 - 125			
Lead	0.09221	0.00200	0.1	0.000011	92.2	75 - 125			
Lithium	0.1276	0.00500	0.1	0.04518	82.4	75 - 125			
Magnesium	21.66	0.200	10	13.63	80.3	75 - 125			
Manganese	0.1375	0.00500	0.1	0.05012	87.4	75 - 125			
Molybdenum	0.1165	0.00500	0.1	0.02189	94.6	75 - 125			
Nickel	0.09701	0.00200	0.1	0.007184	89.8	75 - 125			
Potassium	11.61	0.200	10	2.619	89.9	75 - 125			
Selenium	0.1006	0.00200	0.1	0.000171	100	75 - 125			
Silver	0.08268	0.00200	0.1	0.000026	82.7	75 - 125			
Sodium	171.8	0.200	10	170.2	15.6	75 - 125			SO
Thallium	0.09032	0.00200	0.1	0.000325	90.0	75 - 125			
Uranium	0.1258	0.00500	0.1	0.04549	80.4	75 - 125			
Vanadium	0.09167	0.00500	0.1	-0.000178	91.8	75 - 125			
Zinc	0.0948	0.00400	0.1	0.001904	92.9	75 - 125			

PDS	Sample ID: HS23090770-05PDS	Units: mg/L			Analysis Date: 23-Sep-2023 14:41				
Client ID:	Run ID: ICPMS06_447139	SeqNo: 7561474		PrepDate: 21-Sep-2023		DF: 50			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Calcium	1034	25.0	500	531.6	101	75 - 125			

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200783 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS23090770-05SD		Units: mg/L		Analysis Date: 22-Sep-2023 23:23			
Client ID:		Run ID: ICPMS06_447082		SeqNo: 7561155		PrepDate: 21-Sep-2023		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	U	0.0500					0.009437	0	10
Antimony	U	0.0100					0.000161	0	10
Arsenic	U	0.0100					0.00046	0	10
Barium	0.01496	0.0200					0.01421	0	10 J
Beryllium	U	0.0100					0.000023	0	10
Boron	0.2551	0.100					0.2515	1.43	10
Cadmium	U	0.0100					0.000026	0	10
Chromium	U	0.0200					-0.000153	0	10
Cobalt	U	0.0250					0.000812	0	10
Copper	U	0.0100					0.000915	0	10
Iron	U	1.00					0.006932	0	10
Lead	U	0.0100					0.000011	0	10
Lithium	0.04564	0.0250					0.04518	1.02	10
Magnesium	13.98	1.00					13.63	2.57	10
Manganese	0.05053	0.0250					0.05012	0.812	10
Molybdenum	0.02258	0.0250					0.02189	0	10 J
Nickel	0.00774	0.0100					0.007184	0	10 J
Potassium	2.678	1.00					2.619	2.27	10
Selenium	U	0.0100					0.000171	0	10
Silver	U	0.0100					0.000026	0	10
Sodium	172.9	1.00					170.2	1.55	10
Thallium	U	0.0100					0.000325	0	10
Uranium	0.04286	0.0250					0.04549	5.78	10
Vanadium	U	0.0250					-0.000178	0	10
Zinc	U	0.0200					0.001904	0	10

SD		Sample ID: HS23090770-05SD		Units: mg/L		Analysis Date: 23-Sep-2023 14:39			
Client ID:		Run ID: ICPMS06_447139		SeqNo: 7561473		PrepDate: 21-Sep-2023		DF: 250	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Calcium	511.6	125					531.6	3.76	10

The following samples were analyzed in this batch:

HS23091223-01	HS23091223-02	HS23091223-03	HS23091223-04
HS23091223-05	HS23091223-06		

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 201071 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)							
MBLK	Sample ID: MBLKF1-200505	Units: mg/L			Analysis Date: 27-Sep-2023 20:00						
Client ID:	Run ID: HG04_447495		SeqNo: 7569334		PrepDate: 27-Sep-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Mercury	U	0.000200									
MBLK	Sample ID: MBLK-201071	Units: mg/L			Analysis Date: 27-Sep-2023 19:57						
Client ID:	Run ID: HG04_447495		SeqNo: 7569332		PrepDate: 27-Sep-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Mercury	U	0.000200									
LCS	Sample ID: LCS-201071	Units: mg/L			Analysis Date: 27-Sep-2023 19:59						
Client ID:	Run ID: HG04_447495		SeqNo: 7569333		PrepDate: 27-Sep-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Mercury	0.00462	0.000200	0.005	0	92.4	80 - 120					
MS	Sample ID: HS23091223-01MS	Units: mg/L			Analysis Date: 27-Sep-2023 20:19						
Client ID: MW-06	Run ID: HG04_447495		SeqNo: 7569344		PrepDate: 27-Sep-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Mercury	0.00533	0.000200	0.005	0.000008	106	80 - 120					
MSD	Sample ID: HS23091223-01MSD	Units: mg/L			Analysis Date: 27-Sep-2023 20:21						
Client ID: MW-06	Run ID: HG04_447495		SeqNo: 7569345		PrepDate: 27-Sep-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Mercury	0.00575	0.000200	0.005	0.000008	115	80 - 120	0.00533	7.58	20		
The following samples were analyzed in this batch:				HS23091223-01		HS23091223-02		HS23091223-03		HS23091223-04	
				HS23091223-05		HS23091223-06					

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: 200960 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-200960	Units: mg/L		Analysis Date: 26-Sep-2023 15:58					
Client ID:	Run ID: UV-2450_447376	SeqNo: 7565801		PrepDate: 26-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	U	0.00500							
LCS	Sample ID: LCS-200960	Units: mg/L		Analysis Date: 26-Sep-2023 15:58					
Client ID:	Run ID: UV-2450_447376	SeqNo: 7565800		PrepDate: 26-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.184	0.00500	0.2	0	92.0	80 - 120			
MS	Sample ID: HS23091251-01MS	Units: mg/L		Analysis Date: 26-Sep-2023 15:58					
Client ID:	Run ID: UV-2450_447376	SeqNo: 7565798		PrepDate: 26-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.212	0.00500	0.2	0.022	95.0	80 - 120			
MSD	Sample ID: HS23091251-01MSD	Units: mg/L		Analysis Date: 26-Sep-2023 15:58					
Client ID:	Run ID: UV-2450_447376	SeqNo: 7565799		PrepDate: 26-Sep-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.213	0.00500	0.2	0.022	95.5	80 - 120	0.212	0.471	20
The following samples were analyzed in this batch:									
HS23091223-01		HS23091223-02		HS23091223-03		HS23091223-04			
HS23091223-05		HS23091223-06							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447076 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-09222023	Units: mg/L		Analysis Date: 22-Sep-2023 10:19					
Client ID:	Run ID: Skalar 03_447076	SeqNo: 7559572		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)	U	5.00							
Alkalinity, Carbonate (As CaCO3)	U	5.00							
Alkalinity, Total (As CaCO3)	U	5.00							

LCS	Sample ID: LCS-09222023	Units: mg/L		Analysis Date: 22-Sep-2023 10:26					
Client ID:	Run ID: Skalar 03_447076	SeqNo: 7559573		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)	930.6	5.00	1000	0	93.1	85 - 115			
Alkalinity, Total (As CaCO3)	930.6	5.00	1000	0	93.1	85 - 115			

LCSD	Sample ID: LCSD-09222023	Units: mg/L		Analysis Date: 22-Sep-2023 10:32					
Client ID:	Run ID: Skalar 03_447076	SeqNo: 7559574		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)	936.2	5.00	1000	0	93.6	85 - 115	930.6	0.6	20
Alkalinity, Total (As CaCO3)	937.4	5.00	1000	0	93.7	85 - 115	930.6	0.728	20

DUP	Sample ID: HS23091223-01DUP	Units: mg/L		Analysis Date: 22-Sep-2023 10:43					
Client ID: MW-06	Run ID: Skalar 03_447076	SeqNo: 7559576		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)	284.5	5.00					279.9	1.63	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	284.5	5.00					279.9	1.63	20

The following samples were analyzed in this batch:

HS23091223-01	HS23091223-02	HS23091223-03	HS23091223-04
HS23091223-05	HS23091223-06		

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447077 (0)		Instrument: Skalar 03		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS23091223-01DUP	Units: pH Units		Analysis Date: 22-Sep-2023 10:43					
Client ID: MW-06	Run ID: Skalar 03_447077		SeqNo: 7559587		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	7.21	0.100					7.24	0.415	10
Temp Deg C @pH	17.5	0					17.7	1.14	10
The following samples were analyzed in this batch:									
HS23091223-01		HS23091223-02		HS23091223-03		HS23091223-04			
HS23091223-05		HS23091223-06							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447371 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-09252023	Units: mg/L			Analysis Date: 25-Sep-2023 15:33					
Client ID:	Run ID: Balance1_447371	SeqNo: 7565722			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		U	10.0							
LCS	Sample ID: WLCS-09252023	Units: mg/L			Analysis Date: 25-Sep-2023 15:33					
Client ID:	Run ID: Balance1_447371	SeqNo: 7565721			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		1060	10.0	1000	0	106	85 - 115			
DUP	Sample ID: HS23091305-02DUP	Units: mg/L			Analysis Date: 25-Sep-2023 15:33					
Client ID:	Run ID: Balance1_447371	SeqNo: 7565719			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		124	10.0				120	3.28	20	
DUP	Sample ID: HS23091223-05DUP	Units: mg/L			Analysis Date: 25-Sep-2023 15:33					
Client ID: MW-19	Run ID: Balance1_447371	SeqNo: 7565714			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		176	10.0				174	1.14	20	
The following samples were analyzed in this batch:				HS23091223-01		HS23091223-02		HS23091223-03		HS23091223-04
				HS23091223-05		HS23091223-06				

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447398 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 26-Sep-2023 15:54					
Client ID:	Run ID: ICS-Integrion_447398		SeqNo: 7566270		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	U	0.500							
Fluoride	U	0.100							
Sulfate	U	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 26-Sep-2023 16:06					
Client ID:	Run ID: ICS-Integrion_447398		SeqNo: 7566271		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	20.37	0.500	20	0	102	90 - 110			
Fluoride	3.956	0.100	4	0	98.9	90 - 110			
Sulfate	20.22	0.500	20	0	101	90 - 110			

MS	Sample ID: HS23091223-04MS	Units: mg/L		Analysis Date: 26-Sep-2023 17:15					
Client ID: 02 MW-13	Run ID: ICS-Integrion_447398		SeqNo: 7566279		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	28.28	0.500	10	18.46	98.1	80 - 120			
Fluoride	1.984	0.100	2	0.2086	88.8	80 - 120			
Sulfate	432.5	0.500	10	428.9	35.6	80 - 120			SEO

MS	Sample ID: HS23090185-08MS	Units: mg/L		Analysis Date: 26-Sep-2023 20:38					
Client ID:	Run ID: ICS-Integrion_447398		SeqNo: 7566307		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	9.971	0.500	10	0.195	97.8	80 - 120			
Fluoride	1.432	0.100	2	0	71.6	80 - 120			S
Sulfate	9.738	0.500	10	0	97.4	80 - 120			

Client: Telesto Solutions Inc

Project: LRM-Knox Pit

WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447398 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD		Sample ID: HS23091223-04MSD		Units: mg/L		Analysis Date: 26-Sep-2023 17:21			
Client ID: 02 MW-13		Run ID: ICS-Integrion_447398		SeqNo: 7566280		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	28.24	0.500	10	18.46	97.7	80 - 120	28.28	0.142	20
Fluoride	2.005	0.100	2	0.2086	89.8	80 - 120	1.984	1.04	20
Sulfate	433	0.500	10	428.9	40.8	80 - 120	432.5	0.12	20 SEO

MSD		Sample ID: HS23090185-08MSD		Units: mg/L		Analysis Date: 26-Sep-2023 20:43			
Client ID:		Run ID: ICS-Integrion_447398		SeqNo: 7566308		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	10	0.500	10	0.195	98.0	80 - 120	9.971	0.29	20
Fluoride	1.529	0.100	2	0	76.4	80 - 120	1.432	6.52	20 S
Sulfate	9.837	0.500	10	0	98.4	80 - 120	9.738	1.01	20

The following samples were analyzed in this batch:

HS23091223-01	HS23091223-02	HS23091223-03	HS23091223-04
HS23091223-05	HS23091223-06		

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

QC BATCH REPORT

Batch ID: R447404 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L			Analysis Date: 26-Sep-2023 22:10				
Client ID:	Run ID: ICS-Integrion_447404		SeqNo: 7566396		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) U 0.200									
LCS	Sample ID: LCS	Units: mg/L			Analysis Date: 26-Sep-2023 22:22				
Client ID:	Run ID: ICS-Integrion_447404		SeqNo: 7566397		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) 7.772 0.200 8 0 97.2 90 - 110									
MS	Sample ID: HS23091347-01MS	Units: mg/L			Analysis Date: 26-Sep-2023 23:54				
Client ID:	Run ID: ICS-Integrion_447404		SeqNo: 7566409		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) 34.62 2.00 40 1.23 83.5 80 - 120									
MS	Sample ID: HS23091223-01MS	Units: mg/L			Analysis Date: 26-Sep-2023 22:33				
Client ID: MW-06	Run ID: ICS-Integrion_447404		SeqNo: 7566399		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) 37.18 2.00 40 3.259 84.8 80 - 120									
MSD	Sample ID: HS23091347-01MSD	Units: mg/L			Analysis Date: 27-Sep-2023 00:00				
Client ID:	Run ID: ICS-Integrion_447404		SeqNo: 7566410		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) 35.83 2.00 40 1.23 86.5 80 - 120 34.62 3.43 20									
MSD	Sample ID: HS23091223-01MSD	Units: mg/L			Analysis Date: 26-Sep-2023 22:39				
Client ID: MW-06	Run ID: ICS-Integrion_447404		SeqNo: 7566400		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N) 38.27 2.00 40 3.259 87.5 80 - 120 37.18 2.89 20									
The following samples were analyzed in this batch:									
HS23091223-01		HS23091223-02		HS23091223-03		HS23091223-04			
HS23091223-05		HS23091223-06							

Client: Telesto Solutions Inc
Project: LRM-Knox Pit
WorkOrder: HS23091223

**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
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23091223

Date/Time Received: 21-Sep-2023 08:00

Client Name: Telesto

Received by: Paresh M. Giga

Completed By: /S/ Paresh M. Giga	21-Sep-2023 11:18	Reviewed by: /S/ Tyler Monroe	22-Sep-2023 09:21
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx First 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 ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:none
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):

2.4C/2.3C U/C IR31

Cooler(s)/Kit(s):

Blue

Date/Time sample(s) sent to storage:

9/21/23 11:30

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 3

HS23091223

Telesto Solutions Inc
LRM-Knox Pit

Right Solution
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Shipping to Samples to: _____



PROJECT NAME		SAMPLER		Tracey Cottrell		TURNAROUND: ☐ 10 Day ☐ 5 Day ☐ 3 Day ☒ Other: <u>Asst</u>													
PROJECT No.		SITE ID				Parameter/Method Request for Analysis													
360100		EDD FORMAT				A Wet Chem + NO ₂ + NO ₃													
		PURCHASE ORDER				B Dissolved Metals (Field Filtered)													
COMPANY NAME		BILL TO COMPANY				C TOXIC combined NO ₂ /NO ₃													
SEND REPORT TO		INVOICE ATTN TO				D Cyanide													
ADDRESS		ADDRESS				E													
CITY / STATE / ZIP		CITY / STATE / ZIP				F													
PHONE		PHONE				G													
FAX		FAX				H													
E-MAIL		E-MAIL				I													
tgerken@telesto-inc.com																			
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	9/20/23	10:12	1	-			X										
2	MW-06				1	2				X									
3	MW-06				1	3					X								
4	MW-06			↓	1	4						X							
5	MW-10			9:40	1	-			X										
6	MW-10				1	2				X									
7	MW-10				1	3					X								
8	MW-10			↓	1	4						X							
9	MW-10				1	-			X										
10	MW-10				1	2				X									

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

DISPOSAL: By lab ☒ Return to Client ☐

Comments: Dissolved metals field filtered Blue 2.40	QC PACKAGE (check below)		RELINQUISHED BY	Tracey Cottrell	PRINTED NAME	Tracey Cottrell	DATE	9/20/23	TIME	15:45	COOLER TEMP
	LEVEL II (Standard QC)		RECEIVED BY	Karen Craven	Karen Craven	9-20-23	1545				
	LEVEL III (Std QC + forms)		RELINQUISHED BY	Karen Craven	Karen Craven	9-20-23	1600				
	LEVEL IV (Std QC + forms + raw data)		RECEIVED BY	P Green	P Green	9/21/23	08:32				
			RELINQUISHED BY								
			RECEIVED BY								

Preservative: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4°C 9-5035



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Loveland, CO 80537
Phone: 970-305-1648

CHAIN OF CUSTODY

Page 2 of 3

HS23091223

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Shipping to Samples to: _____



PROJECT NAME		SAMPLER <u>Tracey Cottrell</u>		TUN		Parameter/Method Request for Analysis									
PROJECT No.		SITE ID		A		Wet Chem + NO ₂ + NO ₃									
EDD FORMAT		PURCHASE ORDER		B		Dissolved Metals (field Filtered)									
COMPANY NAME		BILL TO COMPANY		C		Combined NO ₂ /NO ₃									
SEND REPORT TO		INVOICE ATTN TO		D		Cyanide									
ADDRESS		ADDRESS		E											
CITY / STATE / ZIP		CITY / STATE / ZIP		F											
PHONE		PHONE		G											
FAX		FAX		H											
E-MAIL		E-MAIL		I											

SAMPLE #	FIELD ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	MS/MSD	A	B	C	D	E	F	G	H	I
1	MW-12	W	9/10/23		1	3					X						
2	MW-12	W			1	4						X					
3	MW-13	W		9am	1	-			X								
4	MW-13	W			1	2				X							
5	MW-13	W			1	3					X						
6	MW-13	W			1	4						X					
7	02 MW-13	W		9:05am	1	-			X								
8	02 MW-13	W			1	2				X							
9	02 MW-13	W			1	3					X						
10	02 MW-13	W			1	4						X					

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

DISPOSAL: By lab ☒ Return to Client ☐

Comments: Dissolved Metals field Filtered	QC PACKAGE (check below)		RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME	COOLER TEMP
	☐ LEVEL II (Standard QC)		RECEIVED BY	<i>Karen Craven</i>	Karen Craven	9/20/23	15:45	
	☐ LEVEL III (Std QC + forms)		RELINQUISHED BY	<i>Karen Craven</i>	Karen Craven	9/20/23	16:00	
	☐ LEVEL IV (Std QC + forms + raw data)		RECEIVED BY	<i>P. Gien</i>	P. Gien	9/21/23	08:00	
			RELINQUISHED BY					
Preservative: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7- Other 8-4°C 9-5035		RECEIVED BY						



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

CHAIN OF CUSTODY

Page 3 of 3

HS23091223

Telesto Solutions Inc
LRM-Knox Pit

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Shipping to Samples to: _____



PROJECT NAME		SAMPLER		Tracy Cottrell		TUR		Parameter/Method Request for Analysis										
PROJECT No.		SITE ID				A		Wet chem + NO ₂ & NO ₃										
		EDD FORMAT				B		Dissolved Metals (Field Filtered)										
		PURCHASE ORDER				C		Combined NO ₂ /NO ₃										
COMPANY NAME		BILL TO COMPANY				D		Cyanide										
SEND REPORT TO		INVOICE ATTN TO				E												
ADDRESS		ADDRESS				F												
CITY / STATE / ZIP		CITY / STATE / ZIP				G												
PHONE		PHONE				H												
FAX		FAX				I												
E-MAIL		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-19	W	9/10/23	11:23	1	—			X								
2	MW-19				1	2				X							
3	MW-19				1	3					X						
4	MW-19				1	4						X					
5	03-Blank			11:18	1	—			X								
6	03-Blank				1	2				X							
7	03-Blank				1	3					X						
8	03-Blank				1	4						X					
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: Dissolved Metals Field Filtered	QC PACKAGE (check below)		RELINQUISHED BY		SIGNATURE	PRINTED NAME	DATE	TIME	COOLER TEMP
	☐	LEVEL II (Standard QC)	☐	RECEIVED BY	<i>Karen Craven</i>	Karen Craven	9/20/23	1545	
	☐	LEVEL III (Std QC + forms)	☐	RELINQUISHED BY	<i>Karen Craven</i>	Karen Craven	9/20/23	1600	
	☐	LEVEL IV (Std QC + forms + raw data)	☐	RECEIVED BY	<i>P. G. A.</i>	P. G. A.	9/21/23	08:00	
	☐		☐	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									

SIN ID:GXVA (970) 305-1648
KEPHART
LOVELAND SERVICE CENTER
E 11TH ST
LAND, CO 80537
ED STATES US

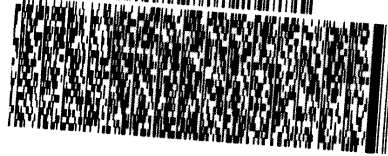
SHIP DATE: 20SEP23
ACTWT: 34.45 LB
CRD: 0487862/CAFE3707
DIMS: 18x13x13 IN
BILL THIRD PARTY

SAMPLE RECEIVING
LS

0450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

REF:

DEPT:



FedEx
RK# 6182 5244 5085

1 SGRA

THU - 21 SEP 8:00A
FIRST OVERNIGHT

77099
TX-US
IAH



4720485 20Sep2023 GXVA 68164/8835/C088