



January 24th, 2025

Via Electronic Mail

Stephanie Fancher-English
Loveland Ready-Mix Concrete, Inc.
644 N Namaqua Avenue
Loveland, Colorado 80537

**Subject: Loveland Ready-Mix Concrete, Inc. (LRM)
Knox Pit Permit No. M-2017-036 - 2024 Groundwater Quality and
Groundwater Depth Measurements Results**

Dear Stephanie:

Please find attached the 2024 groundwater quality data and groundwater level measurements for LRM Knox Pit, under Permit No. M2017-036 (the Site). Figure 1 illustrates the monitoring wells and identifies the compliance sampling points, which include wells MW-06, MW-10, MW-12, MW-13, and MW-19. In May 2024, the Colorado Division of Reclamation, Mining and Safety (DRMS) approved LRM's Technical Revision (TR-2), which reduced the sampling frequency and analyte list from quarterly to biannual (1st and 3rd quarters).

Telesto Solutions, Inc. (Telesto) conducted monthly measurements of the depth to groundwater across all 14 monitoring wells and collected groundwater samples from the compliance wells in March and September. Table 1 provides a summary of the monthly depth to groundwater from ground surface measurements for the Knox Pit monitoring wells. The groundwater levels across the Site continue to align with the readings from previous years.

Attachment 2 includes the first quarter 2024 results for groundwater quality, featuring summary tables and associated laboratory reports. Attachment 3 contains the third quarter 2024 results, similarly presenting summary tables and lab reports. Both summary tables compare the recent groundwater quality data against the Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Commission (WQCC) Regulation 41: Basic Standards for Groundwater. The laboratory analyses were performed by Analytical Laboratory Services – Loveland (ALS).

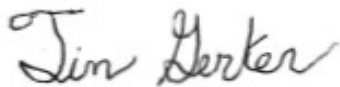
During both the first and third quarter sampling events, sulfate levels exceeded the WQCC standard (250 mg/L) in all compliance wells, except for MW-19. Elevated sulfate concentrations were observed in the northern wells (MW-06 and MW-10), where

groundwater enters the site, with concentrations diminishing towards the south-southeast. Although sulfate levels remained above the WQCC standards in the third quarter, there was a general decrease in concentrations across the site.

In the first quarter, uranium concentrations in wells MW-06 and MW-10 were slightly above the WQCC standards (0.0168 mg/L) but consistent with historical data. By the third quarter, uranium levels in all compliance wells had decreased below these standards. During the first quarter sampling, MW-06 showed selenium concentrations just above the agricultural standard (0.02 mg/L) but below the human health standard (0.05 mg/L). During the third quarter, MW-10 had selenium levels slightly exceeding the agricultural standard but below the human health standard. Overall, the 2024 groundwater sampling results are consistent with prior concentration trends.

Please feel free to contact me if you have any questions or comments concerning this submittal.

Best Regards,



Telesto Solutions, Inc.

Tim Gerken

Staff Geologist

TJG:wln

Enclosure

cc: wln

REFERENCES

Telesto. 2019. *Knox Pit Baseline Water Quality Report Evaluation Permit No. M-2017-036*. Telesto Solutions, Inc., Loveland, Colorado. December 2019.

Figure 1 - Knox Pit (M-2017-038) Monitoring Well and Water Quality Sampling Locations



Knox Pit (M2017-036) Monitoring Wells Measurements: 2024

Depth to Groundwater from Ground Surface

Date Measured	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13	MW-14
January-24	8.23	7.92	8.34	8.54	8.32	7.58	8.54	6.81	6.75	4.81	8.27	6.83	7.72	8.22
February-24	8.48	7.95	8.49	8.80	8.65	8.11	8.77	7.29	6.95	4.74	8.40	6.84	7.76	8.35
March-24	8.49	7.84	8.71	8.85	8.68	8.09	8.72	8.36	6.76	4.49	4.78	6.70	7.62	8.94
April-24	7.54	7.22	7.48	7.52	7.60	7.20	7.09	6.77	6.32	4.72	4.56	6.60	7.48	6.77
May-24	6.27	5.89	5.23	6.23	4.25	4.90	4.39	3.02	4.53	4.44	4.53	4.92	4.12	4.56
June-24	6.48	6.09	5.38	5.12	4.52	4.55	4.94	3.63	5.00	4.49	6.31	4.80	4.96	6.26
July-24	6.16	5.71	4.89	4.61	4.14	4.10	4.52	2.78	4.46	4.03	4.32	3.90	4.52	5.18
August-24	6.61	6.08	5.53	6.78	4.44	2.34	6.10	4.69	3.06	3.94	5.44	4.64	5.48	5.67
September-24	6.66	5.72	5.45	7.40	5.18	4.54	7.78	3.50	6.25	5.40	5.75	4.98	5.41	6.78
October-24	6.86	6.68	5.83	7.29	5.49	5.27	7.63	4.35	6.27	5.44	5.90	4.90	5.58	6.83
November-24	7.47	7.29	7.35	7.41	6.10	5.84	7.78	4.98	6.54	5.51	5.95	5.44	6.19	7.23
December-24	7.72	7.42	7.43	7.32	6.89	5.78	7.09	5.10	4.56	5.94	6.28	6.71	9.11	7.90
January-25	7.83	7.95	8.30	8.92	8.42	7.28	9.32	6.84	7.45	7.23	7.79	5.26	7.25	7.34

ATTACHMENT 1

Sampling Location: MW-06	Sample Date	3/27/2024	3/27/2024	Knox Pit M2017-036	
	Sample Type	Primary	Duplicate		
	Depth to Water	8.09 feet	8.08 feet		
Analyte List	Value Units	Dissolved	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	ND	0.01	**5
ANTIMONY	MG/L	0.0005 J	0.0004 J	0.002	0.006
ARSENIC	MG/L	0.0007 J	0.0006 J	0.002	0.01
BARIUM	MG/L	0.045	0.043	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	270	276	5	NA
BORON	MG/L	0.06	0.05	0.02	**0.75
CADMIUM	MG/L	ND	ND	0.002	0.005
CHLORIDE	MG/L	34.9	34.9	0.5	250
CHROMIUM	MG/L	ND	ND	0.004	0.1
COBALT	MG/L	0.002 J	0.002 J	0.005	**0.05
COPPER	MG/L	0.003	0.003	0.002	**0.2
FLUORIDE	MG/L	0.41	0.33	0.1	2
IRON	MG/L	0.014 J	0.012 J	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
MANGANESE	MG/L	0.002 J	0.0009 J	0.005	0.05
MOLYBDENUM	MG/L	0.006	0.006	0.005	0.21
NICKEL	MG/L	0.0035	0.0031	0.002	0.1
NITRATE AS N	MG/L	1.83	1.84	0.1	10
NITRATE/NITRITE AS N	MG/L	1.37	1.39	2	10
NITRITE AS N	MG/L	ND	ND	0.1	1
pH	pH UNIT	7.68	7.71	0.1	**6.5-8.5
SELENIUM	MG/L	0.0249	0.0232	0.002	**0.02
SILVER	MG/L	ND	ND	0.002	0.05
SULFATE	MG/L	1250	1250	4	250
TOTAL DISSOLVED SOLIDS	MG/L	1760	1920	10	***
URANIUM	MG/L	0.0348	0.0319	0.005	0.0168
pH (Field)	pH UNIT	7.61	7.40		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	2003	2109		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.2	15.1		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	3/27/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	4.49 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	0.021	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	374	5	NA
BORON	MG/L	0.04	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	19.8	0.5	250
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	0.001 J	0.005	**0.05
COPPER	MG/L	0.002 J	0.002	**0.2
FLUORIDE	MG/L	0.41	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.002 J	0.005	0.05
MOLYBDENUM	MG/L	0.003 J	0.005	0.21
NICKEL	MG/L	0.002 J	0.002	0.1
NITRATE AS N	MG/L	3.19	0.1	10
NITRATE/NITRITE AS N	MG/L	2.56	2	10
NITRITE AS N	MG/L	ND	0.1	1
pH	pH UNIT	7.75	0.1	**6.5-8.5
SELENIUM	MG/L	0.0138	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	777	10	250
TOTAL DISSOLVED SOLIDS	MG/L	1330	10	***
URANIUM	MG/L	0.0331	0.005	0.0168
pH (Field)	pH UNIT	7.90		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	1794		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.0		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	3/27/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	6.70 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.059	0.01	**5
ANTIMONY	MG/L	0.0004 J	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
Bicarbonate as CaCO3	MG/L	189	5	NA
BORON	MG/L	0.041	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	20.9	0.5	250
CHROMIUM	MG/L	0.0006 J	0.004	0.1
COBALT	MG/L	0.001 J	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
FLUORIDE	MG/L	0.50	0.1	2
IRON	MG/L	0.079 J	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.003 J	0.005	0.05
MOLYBDENUM	MG/L	0.004 J	0.005	0.21
NICKEL	MG/L	0.001 J	0.002	0.1
NITRATE AS N	MG/L	0.23	0.1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	ND	0.1	1
pH	PH	7.83	0.1	**6.5-8.5
SELENIUM	MG/L	0.0042	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	652	10	250
TOTAL DISSOLVED SOLIDS	MG/L	1090	10	***
URANIUM	MG/L	0.0117	0.005	0.0168
pH (Field)	pH UNIT	7.52		6.50-8.50
CONDUCTIVITY (FIELD)	μS/cm	1390		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.6		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	3/27/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	7.62 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.022	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.12	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	221	5	NA
BORON	MG/L	0.027	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	17.6	0.5	250
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	0.003 J	0.005	**0.05
COPPER	MG/L	0.002 J	0.002	**0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	0.035 J	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.012	0.005	**0.2
MOLYBDENUM	MG/L	0.001 J	0.005	0.21
NICKEL	MG/L	0.002 J	0.002	0.1
NITRATE AS N	MG/L	0.20	0.1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	ND	0.1	1
pH	pH UNIT	8.02	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	320	10	250
TOTAL DISSOLVED SOLIDS	MG/L	642	10	***
URANIUM	MG/L	0.0086	0.005	0.0168
pH (Field)	pH UNIT	7.82		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	391		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.1		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	3/28/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	7.16 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.004 J	0.01	**5
ANTIMONY	MG/L	0.0005 J	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.061	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	180	5	NA
BORON	MG/L	0.031	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	7.19	0.5	250
CHROMIUM	MG/L	0.0005 J	0.004	0.1
COBALT	MG/L	0.0007 J	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
FLUORIDE	MG/L	0.32	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.003 J	0.005	**0.2
MOLYBDENUM	MG/L	0.002 J	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	0.36	0.1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	0.08 J	0.1	1
PH	PH	8.04	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	98.8	10	250
TOTAL DISSOLVED SOLIDS	MG/L	324	10	***
URANIUM	MG/L	0.004 J	0.005	0.0168
pH (Field)	pH UNIT	7.95		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	189		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.5		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	3/27/2024	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	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	ND	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	ND	5	NA
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	ND	0.5	250
CHROMIUM	MG/L	0.001 J	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	0.01 J	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	ND	0.005	**0.2
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	ND	0.1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	0.03 J	0.1	1
pH	PH	5.54	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	0.676	0.5	250
TOTAL DISSOLVED SOLIDS	MG/L	ND	10	***
URANIUM	MG/L	ND	0.005	0.0168
pH (Field)	pH UNIT	NM		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	NM		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	NM		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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 12, 2024

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

Work Order: **HS24031707**

Laboratory Results for: **Knox Pit**

Dear Tim Gerken,

ALS Environmental received 6 sample(s) on Mar 29, 2024 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: Knox Pit
Work Order: HS24031707

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031707-01	MW-06	Water		27-Mar-2024 11:58	29-Mar-2024 10:00	☐
HS24031707-02	O2-MW-06	Water		27-Mar-2024 12:07	29-Mar-2024 10:00	☐
HS24031707-03	MW-10	Water		27-Mar-2024 13:12	29-Mar-2024 10:00	☐
HS24031707-04	MW-13	Water		27-Mar-2024 14:04	29-Mar-2024 10:00	☐
HS24031707-05	MW-12	Water		27-Mar-2024 14:55	29-Mar-2024 10:00	☐
HS24031707-06	03-Blank	Water		27-Mar-2024 14:33	29-Mar-2024 10:00	☐

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24031707

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: 210248**

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

Metals by Method SW6020A**Batch ID: 210210****Sample ID: MW-10 (HS24031707-03MS)**

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

WetChemistry by Method SM4500H+ B**Batch ID: R463679**

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

WetChemistry by Method SM2320B**Batch ID: R462814**

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

WetChemistry by Method M2540C**Batch ID: R462778,R462881**

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

WetChemistry by Method E300**Batch ID: R462895****Sample ID: 03-Blank (HS24031707-06)**

- 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))

Batch ID: R462663

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

WetChemistry by Method SW9014**Batch ID: 210194**

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-06
 Collection Date: 27-Mar-2024 11:58

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	U		0.00180	0.0100	mg/L	1	11-Apr-2024 16:12
Antimony	0.000490	J	0.000400	0.00200	mg/L	1	11-Apr-2024 16:12
Arsenic	0.000653	J	0.000400	0.00200	mg/L	1	11-Apr-2024 16:12
Barium	0.0450		0.00190	0.00400	mg/L	1	11-Apr-2024 16:12
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:12
Boron	0.0559		0.0110	0.0200	mg/L	1	11-Apr-2024 17:37
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:12
Calcium	510		0.680	10.0	mg/L	20	11-Apr-2024 18:52
Chromium	U		0.000400	0.00400	mg/L	1	11-Apr-2024 16:12
Cobalt	0.00174	J	0.000200	0.00500	mg/L	1	11-Apr-2024 16:12
Copper	0.00316		0.00100	0.00200	mg/L	1	11-Apr-2024 16:12
Iron	0.0140	J	0.0120	0.200	mg/L	1	11-Apr-2024 16:12
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 16:12
Lithium	0.0236		0.00100	0.00500	mg/L	1	11-Apr-2024 16:12
Magnesium	29.6		0.0100	0.200	mg/L	1	11-Apr-2024 16:12
Manganese	0.00148	J	0.000700	0.00500	mg/L	1	11-Apr-2024 16:12
Molybdenum	0.00612		0.000600	0.00500	mg/L	1	11-Apr-2024 16:12
Nickel	0.00346		0.000600	0.00200	mg/L	1	11-Apr-2024 16:12
Potassium	6.31		0.0180	0.200	mg/L	1	11-Apr-2024 16:12
Selenium	0.0249		0.00110	0.00200	mg/L	1	11-Apr-2024 16:12
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:12
Sodium	15.9		0.0140	0.200	mg/L	1	11-Apr-2024 16:12
Thallium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:12
Uranium	0.0348		0.000500	0.00500	mg/L	1	11-Apr-2024 16:12
Vanadium	0.00100	J	0.000600	0.00500	mg/L	1	11-Apr-2024 16:12
Zinc	0.00259	J	0.00200	0.00400	mg/L	1	11-Apr-2024 16:12
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:40
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	34.9		0.200	0.500	mg/L	1	29-Mar-2024 11:11
Fluoride	0.412		0.0500	0.100	mg/L	1	29-Mar-2024 11:11
Nitrogen, Nitrate (As N)	1.83		0.0300	0.100	mg/L	1	29-Mar-2024 11:11
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 11:11
Sulfate	1,250		4.00	10.0	mg/L	20	29-Mar-2024 12:28
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	1.37	J	0.300	2.00	mg/L	10	02-Apr-2024 18:31
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	1,760		5.00	10.0	mg/L	1	01-Apr-2024 10:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-06
Collection Date: 27-Mar-2024 11:58

ANALYTICAL REPORT

WorkOrder:HS24031707
Lab ID:HS24031707-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	270		3.00	5.00	mg/L	1	30-Mar-2024 18:11
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:11
Alkalinity, Total (As CaCO3)	270		2.50	5.00	mg/L	1	30-Mar-2024 18:11
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.68	H	0.100	0.100	pH Units	1	11-Apr-2024 08:13
Temp Deg C @pH	22.0	H	0	0	°C	1	11-Apr-2024 08:13
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: O2-MW-06
 Collection Date: 27-Mar-2024 12:07

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-02
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	U		0.00180	0.0100	mg/L	1	11-Apr-2024 17:47
Antimony	0.000437	J	0.000400	0.00200	mg/L	1	11-Apr-2024 17:47
Arsenic	0.000582	J	0.000400	0.00200	mg/L	1	11-Apr-2024 17:47
Barium	0.0428		0.00190	0.00400	mg/L	1	11-Apr-2024 17:47
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:47
Boron	0.0500		0.0110	0.0200	mg/L	1	11-Apr-2024 17:47
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:47
Calcium	462		0.680	10.0	mg/L	20	12-Apr-2024 14:53
Chromium	U		0.000400	0.00400	mg/L	1	11-Apr-2024 17:47
Cobalt	0.00150	J	0.000200	0.00500	mg/L	1	11-Apr-2024 17:47
Copper	0.00294		0.00100	0.00200	mg/L	1	11-Apr-2024 17:47
Iron	0.0122	J	0.0120	0.200	mg/L	1	11-Apr-2024 17:47
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 17:47
Lithium	0.0221		0.00100	0.00500	mg/L	1	11-Apr-2024 17:47
Magnesium	27.0		0.0100	0.200	mg/L	1	11-Apr-2024 17:47
Manganese	0.000935	J	0.000700	0.00500	mg/L	1	11-Apr-2024 17:47
Molybdenum	0.00563		0.000600	0.00500	mg/L	1	11-Apr-2024 17:47
Nickel	0.00309		0.000600	0.00200	mg/L	1	11-Apr-2024 17:47
Potassium	5.88		0.0180	0.200	mg/L	1	11-Apr-2024 17:47
Selenium	0.0232		0.00110	0.00200	mg/L	1	11-Apr-2024 17:47
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:47
Sodium	14.6		0.0140	0.200	mg/L	1	11-Apr-2024 17:47
Thallium	0.000465	J	0.000200	0.00200	mg/L	1	11-Apr-2024 17:47
Uranium	0.0319		0.000500	0.00500	mg/L	1	11-Apr-2024 17:47
Vanadium	0.00120	J	0.000600	0.00500	mg/L	1	11-Apr-2024 17:47
Zinc	0.00284	J	0.00200	0.00400	mg/L	1	11-Apr-2024 17:47
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:45
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	34.9		0.200	0.500	mg/L	1	29-Mar-2024 11:17
Fluoride	0.325		0.0500	0.100	mg/L	1	29-Mar-2024 11:17
Nitrogen, Nitrate (As N)	1.84		0.0300	0.100	mg/L	1	29-Mar-2024 11:17
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 11:17
Sulfate	1,250		4.00	10.0	mg/L	20	29-Mar-2024 12:46
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	1.39	J	0.300	2.00	mg/L	10	02-Apr-2024 18:49
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	1,920		5.00	10.0	mg/L	1	01-Apr-2024 10:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: O2-MW-06
Collection Date: 27-Mar-2024 12:07

ANALYTICAL REPORT
WorkOrder:HS24031707
Lab ID:HS24031707-02
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	276		3.00	5.00	mg/L	1	30-Mar-2024 18:17
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:17
Alkalinity, Total (As CaCO3)	276		2.50	5.00	mg/L	1	30-Mar-2024 18:17
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.71	H	0.100	0.100	pH Units	1	11-Apr-2024 08:16
Temp Deg C @pH	22.0	H	0	0	°C	1	11-Apr-2024 08:16
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-10
 Collection Date: 27-Mar-2024 13:12

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-03
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	U		0.00180	0.0100	mg/L	1	11-Apr-2024 16:04
Antimony	U		0.000400	0.00200	mg/L	1	11-Apr-2024 16:04
Arsenic	U		0.000400	0.00200	mg/L	1	11-Apr-2024 16:04
Barium	0.0212		0.00190	0.00400	mg/L	1	11-Apr-2024 16:04
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:04
Boron	0.0402		0.0110	0.0200	mg/L	1	11-Apr-2024 17:27
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:04
Calcium	319		0.680	10.0	mg/L	20	11-Apr-2024 18:46
Chromium	U		0.000400	0.00400	mg/L	1	11-Apr-2024 16:04
Cobalt	0.00122	J	0.000200	0.00500	mg/L	1	11-Apr-2024 16:04
Copper	0.00174	J	0.00100	0.00200	mg/L	1	11-Apr-2024 16:04
Iron	U		0.0120	0.200	mg/L	1	11-Apr-2024 16:04
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 16:04
Lithium	0.0214		0.00100	0.00500	mg/L	1	11-Apr-2024 16:04
Magnesium	21.4		0.0100	0.200	mg/L	1	11-Apr-2024 16:04
Manganese	0.00168	J	0.000700	0.00500	mg/L	1	11-Apr-2024 16:04
Molybdenum	0.00245	J	0.000600	0.00500	mg/L	1	11-Apr-2024 16:04
Nickel	0.00170	J	0.000600	0.00200	mg/L	1	11-Apr-2024 16:04
Potassium	3.11		0.0180	0.200	mg/L	1	11-Apr-2024 16:04
Selenium	0.0138		0.00110	0.00200	mg/L	1	11-Apr-2024 16:04
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:04
Sodium	26.5		0.0140	0.200	mg/L	1	11-Apr-2024 16:04
Thallium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 16:04
Uranium	0.0331		0.000500	0.00500	mg/L	1	11-Apr-2024 16:04
Vanadium	0.000843	J	0.000600	0.00500	mg/L	1	11-Apr-2024 16:04
Zinc	0.00295	J	0.00200	0.00400	mg/L	1	11-Apr-2024 16:04
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:47
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	19.8		0.200	0.500	mg/L	1	29-Mar-2024 11:52
Fluoride	0.413		0.0500	0.100	mg/L	1	29-Mar-2024 11:52
Nitrogen, Nitrate (As N)	3.19		0.0300	0.100	mg/L	1	29-Mar-2024 11:52
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 11:52
Sulfate	777		4.00	10.0	mg/L	20	29-Mar-2024 13:39
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	2.56		0.300	2.00	mg/L	10	02-Apr-2024 18:55
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	1,330		5.00	10.0	mg/L	1	01-Apr-2024 10:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-10
Collection Date: 27-Mar-2024 13:12

ANALYTICAL REPORT

WorkOrder:HS24031707
Lab ID:HS24031707-03
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	374		3.00	5.00	mg/L	1	30-Mar-2024 18:23
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:23
Alkalinity, Total (As CaCO3)	374		2.50	5.00	mg/L	1	30-Mar-2024 18:23
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.75	H	0.100	0.100	pH Units	1	11-Apr-2024 08:20
Temp Deg C @pH	22.0	H	0	0	°C	1	11-Apr-2024 08:20
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-13
 Collection Date: 27-Mar-2024 14:04

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-04
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	0.0223		0.00180	0.0100	mg/L	1	11-Apr-2024 17:49
Antimony	U		0.000400	0.00200	mg/L	1	11-Apr-2024 17:49
Arsenic	U		0.000400	0.00200	mg/L	1	11-Apr-2024 17:49
Barium	0.123		0.00190	0.00400	mg/L	1	11-Apr-2024 17:49
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:49
Boron	0.0267		0.0110	0.0200	mg/L	1	11-Apr-2024 17:49
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:49
Calcium	154		0.0340	0.500	mg/L	1	11-Apr-2024 17:49
Chromium	U		0.000400	0.00400	mg/L	1	11-Apr-2024 17:49
Cobalt	0.00328	J	0.000200	0.00500	mg/L	1	11-Apr-2024 17:49
Copper	0.00154	J	0.00100	0.00200	mg/L	1	11-Apr-2024 17:49
Iron	0.0350	J	0.0120	0.200	mg/L	1	11-Apr-2024 17:49
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 17:49
Lithium	0.0121		0.00100	0.00500	mg/L	1	11-Apr-2024 17:49
Magnesium	19.4		0.0100	0.200	mg/L	1	11-Apr-2024 17:49
Manganese	0.0121		0.000700	0.00500	mg/L	1	11-Apr-2024 17:49
Molybdenum	0.00157	J	0.000600	0.00500	mg/L	1	11-Apr-2024 17:49
Nickel	0.00151	J	0.000600	0.00200	mg/L	1	11-Apr-2024 17:49
Potassium	1.85		0.0180	0.200	mg/L	1	11-Apr-2024 17:49
Selenium	U		0.00110	0.00200	mg/L	1	11-Apr-2024 17:49
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:49
Sodium	14.0		0.0140	0.200	mg/L	1	11-Apr-2024 17:49
Thallium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:49
Uranium	0.00856		0.000500	0.00500	mg/L	1	11-Apr-2024 17:49
Vanadium	0.00108	J	0.000600	0.00500	mg/L	1	11-Apr-2024 17:49
Zinc	0.00511		0.00200	0.00400	mg/L	1	11-Apr-2024 17:49
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:53
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	17.6		0.200	0.500	mg/L	1	29-Mar-2024 11:58
Fluoride	U		0.0500	0.100	mg/L	1	29-Mar-2024 11:58
Nitrogen, Nitrate (As N)	0.199		0.0300	0.100	mg/L	1	29-Mar-2024 11:58
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 11:58
Sulfate	320		2.00	5.00	mg/L	10	29-Mar-2024 13:45
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	02-Apr-2024 19:01
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	642		5.00	10.0	mg/L	1	01-Apr-2024 10:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-13
Collection Date: 27-Mar-2024 14:04

ANALYTICAL REPORT

WorkOrder:HS24031707
Lab ID:HS24031707-04
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO ₃)	221		3.00	5.00	mg/L	1	30-Mar-2024 18:29
Alkalinity, Carbonate (As CaCO ₃)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:29
Alkalinity, Total (As CaCO ₃)	221		2.50	5.00	mg/L	1	30-Mar-2024 18:29
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	8.02	H	0.100	0.100	pH Units	1	11-Apr-2024 08:23
Temp Deg C @pH	22.1	H	0	0	°C	1	11-Apr-2024 08:23
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-12
 Collection Date: 27-Mar-2024 14:55

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-05
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	0.0585		0.00180	0.0100	mg/L	1	11-Apr-2024 17:51
Antimony	0.000407	J	0.000400	0.00200	mg/L	1	11-Apr-2024 17:51
Arsenic	U		0.000400	0.00200	mg/L	1	11-Apr-2024 17:51
Barium	0.0347		0.00190	0.00400	mg/L	1	11-Apr-2024 17:51
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:51
Boron	0.0405		0.0110	0.0200	mg/L	1	11-Apr-2024 17:51
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:51
Calcium	281		0.680	10.0	mg/L	20	11-Apr-2024 18:54
Chromium	0.000573	J	0.000400	0.00400	mg/L	1	11-Apr-2024 17:51
Cobalt	0.000974	J	0.000200	0.00500	mg/L	1	11-Apr-2024 17:51
Copper	U		0.00100	0.00200	mg/L	1	11-Apr-2024 17:51
Iron	0.0793	J	0.0120	0.200	mg/L	1	11-Apr-2024 17:51
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 17:51
Lithium	0.0170		0.00100	0.00500	mg/L	1	11-Apr-2024 17:51
Magnesium	20.7		0.0100	0.200	mg/L	1	11-Apr-2024 17:51
Manganese	0.00320	J	0.000700	0.00500	mg/L	1	11-Apr-2024 17:51
Molybdenum	0.00366	J	0.000600	0.00500	mg/L	1	11-Apr-2024 17:51
Nickel	0.00123	J	0.000600	0.00200	mg/L	1	11-Apr-2024 17:51
Potassium	1.72		0.0180	0.200	mg/L	1	11-Apr-2024 17:51
Selenium	0.00417		0.00110	0.00200	mg/L	1	11-Apr-2024 17:51
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:51
Sodium	19.1		0.0140	0.200	mg/L	1	11-Apr-2024 17:51
Thallium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:51
Uranium	0.0117		0.000500	0.00500	mg/L	1	11-Apr-2024 17:51
Vanadium	0.000875	J	0.000600	0.00500	mg/L	1	11-Apr-2024 17:51
Zinc	0.00276	J	0.00200	0.00400	mg/L	1	11-Apr-2024 17:51
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:55
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	20.9		0.200	0.500	mg/L	1	29-Mar-2024 12:04
Fluoride	0.499		0.0500	0.100	mg/L	1	29-Mar-2024 12:04
Nitrogen, Nitrate (As N)	0.234		0.0300	0.100	mg/L	1	29-Mar-2024 12:04
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 12:04
Sulfate	652		4.00	10.0	mg/L	20	29-Mar-2024 13:51
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	02-Apr-2024 19:06
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	1,090		5.00	10.0	mg/L	1	01-Apr-2024 11:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-12
Collection Date: 27-Mar-2024 14:55

ANALYTICAL REPORT

WorkOrder:HS24031707
Lab ID:HS24031707-05
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	189		3.00	5.00	mg/L	1	30-Mar-2024 18:44
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:44
Alkalinity, Total (As CaCO3)	189		2.50	5.00	mg/L	1	30-Mar-2024 18:44
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.83	H	0.100	0.100	pH Units	1	11-Apr-2024 08:25
Temp Deg C @pH	22.0	H	0	0	°C	1	11-Apr-2024 08:25
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: 03-Blank
 Collection Date: 27-Mar-2024 14:33

ANALYTICAL REPORT

WorkOrder:HS24031707
 Lab ID:HS24031707-06
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Apr-2024		Analyst: JC	
Aluminum	U		0.00180	0.0100	mg/L	1	11-Apr-2024 17:52
Antimony	U		0.000400	0.00200	mg/L	1	11-Apr-2024 17:52
Arsenic	U		0.000400	0.00200	mg/L	1	11-Apr-2024 17:52
Barium	U		0.00190	0.00400	mg/L	1	11-Apr-2024 17:52
Beryllium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:52
Boron	U		0.0110	0.0200	mg/L	1	11-Apr-2024 17:52
Cadmium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:52
Calcium	0.0379	J	0.0340	0.500	mg/L	1	11-Apr-2024 17:52
Chromium	0.00116	J	0.000400	0.00400	mg/L	1	11-Apr-2024 17:52
Cobalt	U		0.000200	0.00500	mg/L	1	11-Apr-2024 17:52
Copper	U		0.00100	0.00200	mg/L	1	11-Apr-2024 17:52
Iron	0.0132	J	0.0120	0.200	mg/L	1	11-Apr-2024 17:52
Lead	U		0.000600	0.00200	mg/L	1	11-Apr-2024 17:52
Lithium	U		0.00100	0.00500	mg/L	1	11-Apr-2024 17:52
Magnesium	U		0.0100	0.200	mg/L	1	11-Apr-2024 17:52
Manganese	U		0.000700	0.00500	mg/L	1	11-Apr-2024 17:52
Molybdenum	U		0.000600	0.00500	mg/L	1	11-Apr-2024 17:52
Nickel	U		0.000600	0.00200	mg/L	1	11-Apr-2024 17:52
Potassium	U		0.0180	0.200	mg/L	1	11-Apr-2024 17:52
Selenium	U		0.00110	0.00200	mg/L	1	11-Apr-2024 17:52
Silver	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:52
Sodium	0.0196	J	0.0140	0.200	mg/L	1	11-Apr-2024 17:52
Thallium	U		0.000200	0.00200	mg/L	1	11-Apr-2024 17:52
Uranium	U		0.000500	0.00500	mg/L	1	11-Apr-2024 17:52
Vanadium	U		0.000600	0.00500	mg/L	1	11-Apr-2024 17:52
Zinc	0.00268	J	0.00200	0.00400	mg/L	1	11-Apr-2024 17:52
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 10-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	10-Apr-2024 16:57
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	U		0.200	0.500	mg/L	1	29-Mar-2024 12:10
Fluoride	U		0.0500	0.100	mg/L	1	29-Mar-2024 12:10
Nitrogen, Nitrate (As N)	U		0.0300	0.100	mg/L	1	29-Mar-2024 12:10
Nitrogen, Nitrite (As N)	0.0336	J	0.0300	0.100	mg/L	1	29-Mar-2024 12:10
Sulfate	0.676		0.200	0.500	mg/L	1	29-Mar-2024 12:10
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	02-Apr-2024 19:12
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	U		5.00	10.0	mg/L	1	01-Apr-2024 11:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: 03-Blank
Collection Date: 27-Mar-2024 14:33

ANALYTICAL REPORT
WorkOrder:HS24031707
Lab ID:HS24031707-06
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:48
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 18:48
Alkalinity, Total (As CaCO3)	U		2.50	5.00	mg/L	1	30-Mar-2024 18:48
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	5.54	H	0.100	0.100	pH Units	1	11-Apr-2024 08:27
Temp Deg C @pH	22.0	H	0	0	°C	1	11-Apr-2024 08:27
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024	Analyst: MZD
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Weight / Prep Log

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

Batch ID: 210194	Start Date: 09 Apr 2024 09:00	End Date: 09 Apr 2024 09:00
Method: CYANIDE PREP - SW9010C	Prep Code: CN_TW_PR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031707-01		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS24031707-02		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS24031707-03		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS24031707-04		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS24031707-05		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH
HS24031707-06		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH

Batch ID: 210210	Start Date: 10 Apr 2024 09:30	End Date: 10 Apr 2024 09:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031707-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 210248	Start Date: 10 Apr 2024 09:00	End Date: 10 Apr 2024 09:00
Method: MERCURY PREP BY 7470A - DISSOLVED	Prep Code: HG_W_DISSPR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031707-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24031707-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 210194 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58		09 Apr 2024 09:00	10 Apr 2024 17:10	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07		09 Apr 2024 09:00	10 Apr 2024 17:10	1
HS24031707-03	MW-10	27 Mar 2024 13:12		09 Apr 2024 09:00	10 Apr 2024 17:10	1
HS24031707-04	MW-13	27 Mar 2024 14:04		09 Apr 2024 09:00	10 Apr 2024 17:10	1
HS24031707-05	MW-12	27 Mar 2024 14:55		09 Apr 2024 09:00	10 Apr 2024 17:10	1
HS24031707-06	03-Blank	27 Mar 2024 14:33		09 Apr 2024 09:00	10 Apr 2024 17:10	1
Batch ID: 210210 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58		10 Apr 2024 09:30	11 Apr 2024 18:52	20
HS24031707-01	MW-06	27 Mar 2024 11:58		10 Apr 2024 09:30	11 Apr 2024 17:37	1
HS24031707-01	MW-06	27 Mar 2024 11:58		10 Apr 2024 09:30	11 Apr 2024 16:12	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07		10 Apr 2024 09:30	12 Apr 2024 14:53	20
HS24031707-02	O2-MW-06	27 Mar 2024 12:07		10 Apr 2024 09:30	11 Apr 2024 17:47	1
HS24031707-03	MW-10	27 Mar 2024 13:12		10 Apr 2024 09:30	11 Apr 2024 18:46	20
HS24031707-03	MW-10	27 Mar 2024 13:12		10 Apr 2024 09:30	11 Apr 2024 17:27	1
HS24031707-03	MW-10	27 Mar 2024 13:12		10 Apr 2024 09:30	11 Apr 2024 16:04	1
HS24031707-04	MW-13	27 Mar 2024 14:04		10 Apr 2024 09:30	11 Apr 2024 17:49	1
HS24031707-05	MW-12	27 Mar 2024 14:55		10 Apr 2024 09:30	11 Apr 2024 18:54	20
HS24031707-05	MW-12	27 Mar 2024 14:55		10 Apr 2024 09:30	11 Apr 2024 17:51	1
HS24031707-06	03-Blank	27 Mar 2024 14:33		10 Apr 2024 09:30	11 Apr 2024 17:52	1
Batch ID: 210248 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58		10 Apr 2024 09:00	10 Apr 2024 16:40	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07		10 Apr 2024 09:00	10 Apr 2024 16:45	1
HS24031707-03	MW-10	27 Mar 2024 13:12		10 Apr 2024 09:00	10 Apr 2024 16:47	1
HS24031707-04	MW-13	27 Mar 2024 14:04		10 Apr 2024 09:00	10 Apr 2024 16:53	1
HS24031707-05	MW-12	27 Mar 2024 14:55		10 Apr 2024 09:00	10 Apr 2024 16:55	1
HS24031707-06	03-Blank	27 Mar 2024 14:33		10 Apr 2024 09:00	10 Apr 2024 16:57	1
Batch ID: R462663 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58			29 Mar 2024 12:28	20
HS24031707-01	MW-06	27 Mar 2024 11:58			29 Mar 2024 11:11	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			29 Mar 2024 12:46	20
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			29 Mar 2024 11:17	1
HS24031707-03	MW-10	27 Mar 2024 13:12			29 Mar 2024 13:39	20
HS24031707-03	MW-10	27 Mar 2024 13:12			29 Mar 2024 11:52	1
HS24031707-04	MW-13	27 Mar 2024 14:04			29 Mar 2024 13:45	10
HS24031707-04	MW-13	27 Mar 2024 14:04			29 Mar 2024 11:58	1
HS24031707-05	MW-12	27 Mar 2024 14:55			29 Mar 2024 13:51	20
HS24031707-05	MW-12	27 Mar 2024 14:55			29 Mar 2024 12:04	1
HS24031707-06	03-Blank	27 Mar 2024 14:33			29 Mar 2024 12:10	1

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R462778 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58			01 Apr 2024 10:00	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			01 Apr 2024 10:00	1
HS24031707-03	MW-10	27 Mar 2024 13:12			01 Apr 2024 10:00	1
HS24031707-04	MW-13	27 Mar 2024 14:04			01 Apr 2024 10:00	1
Batch ID: R462814 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58			30 Mar 2024 18:11	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			30 Mar 2024 18:17	1
HS24031707-03	MW-10	27 Mar 2024 13:12			30 Mar 2024 18:23	1
HS24031707-04	MW-13	27 Mar 2024 14:04			30 Mar 2024 18:29	1
HS24031707-05	MW-12	27 Mar 2024 14:55			30 Mar 2024 18:44	1
HS24031707-06	03-Blank	27 Mar 2024 14:33			30 Mar 2024 18:48	1
Batch ID: R462881 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS24031707-05	MW-12	27 Mar 2024 14:55			01 Apr 2024 11:00	1
HS24031707-06	03-Blank	27 Mar 2024 14:33			01 Apr 2024 11:00	1
Batch ID: R462895 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58			02 Apr 2024 18:31	10
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			02 Apr 2024 18:49	10
HS24031707-03	MW-10	27 Mar 2024 13:12			02 Apr 2024 18:55	10
HS24031707-04	MW-13	27 Mar 2024 14:04			02 Apr 2024 19:01	10
HS24031707-05	MW-12	27 Mar 2024 14:55			02 Apr 2024 19:06	10
HS24031707-06	03-Blank	27 Mar 2024 14:33			02 Apr 2024 19:12	10
Batch ID: R463679 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS24031707-01	MW-06	27 Mar 2024 11:58			11 Apr 2024 08:13	1
HS24031707-02	O2-MW-06	27 Mar 2024 12:07			11 Apr 2024 08:16	1
HS24031707-03	MW-10	27 Mar 2024 13:12			11 Apr 2024 08:20	1
HS24031707-04	MW-13	27 Mar 2024 14:04			11 Apr 2024 08:23	1
HS24031707-05	MW-12	27 Mar 2024 14:55			11 Apr 2024 08:25	1
HS24031707-06	03-Blank	27 Mar 2024 14:33			11 Apr 2024 08:27	1

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-210210	Units: mg/L		Analysis Date: 11-Apr-2024 15:58					
Client ID:	Run ID: ICPMS06_463715	SeqNo: 7942659		PrepDate: 10-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	U	0.0100							
Antimony	U	0.00200							
Arsenic	U	0.00200							
Barium	U	0.00400							
Beryllium	U	0.00200							
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	0.01813	0.200							J
Thallium	U	0.00200							
Uranium	U	0.00500							
Vanadium	U	0.00500							
Zinc	U	0.00400							

MBLK	Sample ID: MBLK-210210	Units: mg/L		Analysis Date: 11-Apr-2024 17:24					
Client ID:	Run ID: ICPMS06_463715	SeqNo: 7942913		PrepDate: 10-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	U	0.0200							

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS		Sample ID: LCS-210210		Units: mg/L		Analysis Date: 11-Apr-2024 16:00			
Client ID:		Run ID: ICPMS06_463715		SeqNo: 7942660		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.09409	0.0100	0.1	0	94.1	80 - 120			
Antimony	0.04419	0.00200	0.05	0	88.4	80 - 120			
Arsenic	0.04266	0.00200	0.05	0	85.3	80 - 120			
Barium	0.0456	0.00400	0.05	0	91.2	80 - 120			
Beryllium	0.04182	0.00200	0.05	0	83.6	80 - 120			
Cadmium	0.04462	0.00200	0.05	0	89.2	80 - 120			
Calcium	4.722	0.500	5	0	94.4	80 - 120			
Chromium	0.04431	0.00400	0.05	0	88.6	80 - 120			
Cobalt	0.04565	0.00500	0.05	0	91.3	80 - 120			
Copper	0.04369	0.00200	0.05	0	87.4	80 - 120			
Iron	4.633	0.200	5	0	92.7	80 - 120			
Lead	0.04469	0.00200	0.05	0	89.4	80 - 120			
Lithium	0.0952	0.00500	0.1	0	95.2	80 - 120			
Magnesium	4.605	0.200	5	0	92.1	80 - 120			
Manganese	0.04459	0.00500	0.05	0	89.2	80 - 120			
Molybdenum	0.04487	0.00500	0.05	0	89.7	80 - 120			
Nickel	0.04443	0.00200	0.05	0	88.9	80 - 120			
Potassium	4.516	0.200	5	0	90.3	80 - 120			
Selenium	0.04259	0.00200	0.05	0	85.2	80 - 120			
Silver	0.046	0.00200	0.05	0	92.0	80 - 120			
Sodium	4.534	0.200	5	0	90.7	80 - 120			
Uranium	0.09061	0.00500	0.1	0	90.6	80 - 120			
Vanadium	0.04366	0.00500	0.05	0	87.3	80 - 120			
Zinc	0.04427	0.00400	0.05	0	88.5	80 - 120			

LCS		Sample ID: LCS-210210		Units: mg/L		Analysis Date: 11-Apr-2024 17:25			
Client ID:		Run ID: ICPMS06_463715		SeqNo: 7942914		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.1987	0.0200	0.2	0	99.3	80 - 120			
Thallium	0.05048	0.00200	0.05	0	101	80 - 120			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS24031707-03MS		Units: mg/L		Analysis Date: 11-Apr-2024 16:06			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942663		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.08885	0.0100	0.1	0	88.8	75 - 125			
Antimony	0.0445	0.00200	0.05	0	89.0	75 - 125			
Arsenic	0.04272	0.00200	0.05	0	85.4	75 - 125			
Barium	0.06732	0.00400	0.05	0.02125	92.2	75 - 125			
Beryllium	0.04024	0.00200	0.05	0	80.5	75 - 125			
Cadmium	0.04284	0.00200	0.05	0	85.7	75 - 125			
Calcium	320.2	0.500	5	298.9	426	75 - 125			SEO
Chromium	0.04327	0.00400	0.05	0	86.5	75 - 125			
Cobalt	0.04466	0.00500	0.05	0.001219	86.9	75 - 125			
Copper	0.04284	0.00200	0.05	0.001741	82.2	75 - 125			
Iron	4.421	0.200	5	0	88.4	75 - 125			
Lead	0.04486	0.00200	0.05	0	89.7	75 - 125			
Lithium	0.1093	0.00500	0.1	0.0214	87.9	75 - 125			
Magnesium	27.12	0.200	5	21.36	115	75 - 125			O
Manganese	0.04492	0.00500	0.05	0.001681	86.5	75 - 125			
Molybdenum	0.04765	0.00500	0.05	0.002447	90.4	75 - 125			
Nickel	0.04306	0.00200	0.05	0.001704	82.7	75 - 125			
Potassium	7.684	0.200	5	3.11	91.5	75 - 125			
Selenium	0.05858	0.00200	0.05	0.01384	89.5	75 - 125			
Silver	0.04277	0.00200	0.05	0	85.5	75 - 125			
Sodium	32.33	0.200	5	26.47	117	75 - 125			O
Thallium	0.04011	0.00200	0.05	0	80.2	75 - 125			
Uranium	0.1282	0.00500	0.1	0.03314	95.1	75 - 125			
Vanadium	0.04426	0.00500	0.05	0.000843	86.8	75 - 125			
Zinc	0.04475	0.00400	0.05	0.002953	83.6	75 - 125			

MS		Sample ID: HS24031707-03MS		Units: mg/L		Analysis Date: 11-Apr-2024 17:31			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942917		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.4995	0.0200	0.5	0.04024	91.9	75 - 125			

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD		Sample ID: HS24031707-03MSD		Units: mg/L		Analysis Date: 11-Apr-2024 16:08			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942664		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.08903	0.0100	0.1	0	89.0	75 - 125	0.08885	0.202	20
Antimony	0.04376	0.00200	0.05	0	87.5	75 - 125	0.0445	1.68	20
Arsenic	0.04215	0.00200	0.05	0	84.3	75 - 125	0.04272	1.33	20
Barium	0.06474	0.00400	0.05	0.02125	87.0	75 - 125	0.06732	3.91	20
Beryllium	0.04026	0.00200	0.05	0	80.5	75 - 125	0.04024	0.0671	20
Cadmium	0.04265	0.00200	0.05	0	85.3	75 - 125	0.04284	0.44	20
Calcium	315.7	0.500	5	298.9	334	75 - 125	320.2	1.44	20 SEO
Chromium	0.04243	0.00400	0.05	0	84.9	75 - 125	0.04327	1.97	20
Cobalt	0.04336	0.00500	0.05	0.001219	84.3	75 - 125	0.04466	2.94	20
Copper	0.04154	0.00200	0.05	0.001741	79.6	75 - 125	0.04284	3.07	20
Iron	4.313	0.200	5	0	86.3	75 - 125	4.421	2.47	20
Lead	0.04463	0.00200	0.05	0	89.3	75 - 125	0.04486	0.516	20
Lithium	0.1069	0.00500	0.1	0.0214	85.5	75 - 125	0.1093	2.23	20
Magnesium	26.39	0.200	5	21.36	100	75 - 125	27.12	2.73	20 O
Manganese	0.04363	0.00500	0.05	0.001681	83.9	75 - 125	0.04492	2.92	20
Molybdenum	0.04616	0.00500	0.05	0.002447	87.4	75 - 125	0.04765	3.18	20
Nickel	0.04252	0.00200	0.05	0.001704	81.6	75 - 125	0.04306	1.26	20
Potassium	7.478	0.200	5	3.11	87.4	75 - 125	7.684	2.71	20
Selenium	0.05709	0.00200	0.05	0.01384	86.5	75 - 125	0.05858	2.57	20
Silver	0.04237	0.00200	0.05	0	84.7	75 - 125	0.04277	0.94	20
Sodium	31.84	0.200	5	26.47	107	75 - 125	32.33	1.54	20 O
Thallium	0.03983	0.00200	0.05	0	79.7	75 - 125	0.04011	0.698	20
Uranium	0.1269	0.00500	0.1	0.03314	93.8	75 - 125	0.1282	1	20
Vanadium	0.0433	0.00500	0.05	0.000843	84.9	75 - 125	0.04426	2.19	20
Zinc	0.0445	0.00400	0.05	0.002953	83.1	75 - 125	0.04475	0.562	20

MSD		Sample ID: HS24031707-03MSD		Units: mg/L		Analysis Date: 11-Apr-2024 17:33			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942918		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Boron	0.5102	0.0200	0.5	0.04024	94.0	75 - 125	0.4995	2.13	20

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS24031707-03PDS		Units: mg/L		Analysis Date: 11-Apr-2024 16:10			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942665		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.0841	0.0100	0.1	0.001455	82.6	75 - 125			
Antimony	0.08972	0.00200	0.1	0.000251	89.5	75 - 125			
Arsenic	0.08587	0.00200	0.1	0.000374	85.5	75 - 125			
Barium	0.1129	0.00400	0.1	0.02125	91.7	75 - 125			
Beryllium	0.08133	0.00200	0.1	0.000002	81.3	75 - 125			
Cadmium	0.08798	0.00200	0.1	0.000013	88.0	75 - 125			
Chromium	0.0862	0.00400	0.1	0.000241	86.0	75 - 125			
Cobalt	0.08714	0.00500	0.1	0.001219	85.9	75 - 125			
Copper	0.08341	0.00200	0.1	0.001741	81.7	75 - 125			
Iron	8.857	0.200	10	0.009028	88.5	75 - 125			
Lead	0.0886	0.00200	0.1	0.000031	88.6	75 - 125			
Lithium	0.1135	0.00500	0.1	0.0214	92.1	75 - 125			
Magnesium	30.24	0.200	10	21.36	88.7	75 - 125			
Manganese	0.08817	0.00500	0.1	0.001681	86.5	75 - 125			
Molybdenum	0.09224	0.00500	0.1	0.002447	89.8	75 - 125			
Nickel	0.08563	0.00200	0.1	0.001704	83.9	75 - 125			
Potassium	11.84	0.200	10	3.11	87.3	75 - 125			
Selenium	0.1019	0.00200	0.1	0.01384	88.1	75 - 125			
Sodium	35.64	0.200	10	26.47	91.7	75 - 125			
Thallium	0.09584	0.00200	0.1	0.000049	95.8	75 - 125			
Uranium	0.1264	0.00500	0.1	0.03314	93.2	75 - 125			
Vanadium	0.08673	0.00500	0.1	0.000843	85.9	75 - 125			
Zinc	0.08714	0.00400	0.1	0.002953	84.2	75 - 125			

PDS		Sample ID: HS24031707-03PDS		Units: mg/L		Analysis Date: 11-Apr-2024 17:35			
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7942919		PrepDate: 10-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.5058	0.0200	0.5	0.04024	93.1	75 - 125			

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS	Sample ID: HS24031707-03PDS	Units: mg/L		Analysis Date: 11-Apr-2024 18:50					
Client ID: MW-10	Run ID: ICPMS06_463715		SeqNo: 7943024		PrepDate: 10-Apr-2024		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Calcium	532.5	10.0	200	318.8	107	75 - 125			
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SD	Sample ID: HS24031707-03SD	Units: mg/L		Analysis Date: 11-Apr-2024 16:02					
Client ID: MW-10	Run ID: ICPMS06_463715		SeqNo: 7942661		PrepDate: 10-Apr-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	U	0.0500					0.001455	0	10
Antimony	U	0.0100					0.000251	0	10
Arsenic	U	0.0100					0.000374	0	10
Barium	0.02268	0.0200					0.02125	6.77	10
Beryllium	U	0.0100					0.000002	0	10
Cadmium	U	0.0100					0.000013	0	10
Chromium	U	0.0200					0.000241	0	10
Cobalt	0.001279	0.0250					0.001219	0	10 J
Copper	U	0.0100					0.001741	0	10
Iron	U	1.00					0.009028	0	10
Lead	U	0.0100					0.000031	0	10
Lithium	0.02321	0.0250					0.0214	0	10 J
Manganese	U	0.0250					0.001681	0	10
Molybdenum	U	0.0250					0.002447	0	10
Nickel	U	0.0100					0.001704	0	10
Silver	U	0.0100					0.000011	0	10
Thallium	0.002694	0.0100					0.000049	0	10 J
Uranium	0.03427	0.0250					0.03314	3.4	10
Vanadium	U	0.0250					0.000843	0	10
Zinc	U	0.0200					0.002953	0	10

SD	Sample ID: HS24031707-03SD	Units: mg/L		Analysis Date: 11-Apr-2024 17:29					
Client ID: MW-10	Run ID: ICPMS06_463715		SeqNo: 7942916		PrepDate: 10-Apr-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Boron	U	0.100					0.04024	0	10

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24031707

QC BATCH REPORT

Batch ID: 210210 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD	Sample ID: HS24031707-03SD		Units: mg/L		Analysis Date: 11-Apr-2024 18:48				
Client ID: MW-10		Run ID: ICPMS06_463715		SeqNo: 7943023		PrepDate: 10-Apr-2024		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Calcium	350.1	50.0					318.8	9.82	10
The following samples were analyzed in this batch:									
HS24031707-01		HS24031707-02		HS24031707-03		HS24031707-04			
HS24031707-05		HS24031707-06							

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210248 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)							
MBLK	Sample ID: MBLK-210248	Units: mg/L			Analysis Date: 10-Apr-2024 16:36						
Client ID:	Run ID: HG04_463602		SeqNo: 7939837		PrepDate: 10-Apr-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	U	0.000200									
LCS	Sample ID: LCS-210248	Units: mg/L			Analysis Date: 10-Apr-2024 16:38						
Client ID:	Run ID: HG04_463602		SeqNo: 7939838		PrepDate: 10-Apr-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.00527	0.000200	0.005	0	105	80 - 120					
MS	Sample ID: HS24031707-01MS	Units: mg/L			Analysis Date: 10-Apr-2024 16:41						
Client ID: MW-06	Run ID: HG04_463602		SeqNo: 7939840		PrepDate: 10-Apr-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.00527	0.000200	0.005	-0.000013	106	80 - 120					
MSD	Sample ID: HS24031707-01MSD	Units: mg/L			Analysis Date: 10-Apr-2024 16:43						
Client ID: MW-06	Run ID: HG04_463602		SeqNo: 7939841		PrepDate: 10-Apr-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.00542	0.000200	0.005	-0.000013	109	80 - 120	0.00527	2.81	20		
The following samples were analyzed in this batch:											
HS24031707-01			HS24031707-02		HS24031707-03			HS24031707-04			
HS24031707-05			HS24031707-06								

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: 210194 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-210194	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941932		PrepDate: 09-Apr-2024		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-210194	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941931		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.196	0.00500	0.2	0	98.0	80 - 120			
MS	Sample ID: HS24031716-01MS	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941929		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.191	0.00500	0.2	0.002	94.5	80 - 120			
MSD	Sample ID: HS24031716-01MSD	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941930		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.19	0.00500	0.2	0.002	94.0	80 - 120	0.191	0.525	20
The following samples were analyzed in this batch:									
HS24031707-01		HS24031707-02		HS24031707-03		HS24031707-04			
HS24031707-05		HS24031707-06							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: R462663 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 29-Mar-2024 13:21					
Client ID:	Run ID: ICS-Integrion_462663		SeqNo: 7917741		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							
Nitrogen, Nitrate (As N)	U	0.100							
Nitrogen, Nitrite (As N)	U	0.100							
Sulfate	U	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 29-Mar-2024 13:33					
Client ID:	Run ID: ICS-Integrion_462663		SeqNo: 7917742		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	21.42	0.500	20	0	107	90 - 110			
Fluoride	4.338	0.100	4	0	108	90 - 110			
Nitrogen, Nitrate (As N)	4.071	0.100	4	0	102	90 - 110			
Nitrogen, Nitrite (As N)	4.198	0.100	4	0	105	90 - 110			
Sulfate	21.56	0.500	20	0	108	90 - 110			

MS	Sample ID: HS24031707-01MS	Units: mg/L		Analysis Date: 29-Mar-2024 12:34					
Client ID: MW-06	Run ID: ICS-Integrion_462663		SeqNo: 7917736		PrepDate:		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	230.4	10.0	200	35.24	97.6	80 - 120			
Fluoride	37.14	2.00	40	1.634	88.8	80 - 120			
Nitrogen, Nitrate (As N)	39.62	2.00	40	1.758	94.7	80 - 120			
Nitrogen, Nitrite (As N)	38.24	2.00	40	1.034	93.0	80 - 120			
Sulfate	1429	10.0	200	1253	88.0	80 - 120			O

Client:

Project:

WorkOrder:

Telesto Solutions Inc
Knox Pit
HS24031707

QC BATCH REPORT

Batch ID: R462663 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD	Sample ID: HS24031707-01MSD	Units: mg/L			Analysis Date: 29-Mar-2024 12:40				
Client ID: MW-06	Run ID: ICS-Integrion_462663		SeqNo: 7917737		PrepDate:		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	229.9	10.0	200	35.24	97.4	80 - 120	230.4	0.2	20
Fluoride	37.14	2.00	40	1.634	88.8	80 - 120	37.14	0	20
Nitrogen, Nitrate (As N)	39.58	2.00	40	1.758	94.6	80 - 120	39.62	0.101	20
Nitrogen, Nitrite (As N)	38.25	2.00	40	1.034	93.0	80 - 120	38.24	0.0366	20
Sulfate	1435	10.0	200	1253	90.6	80 - 120	1429	0.357	20
The following samples were analyzed in this batch:									
HS24031707-01		HS24031707-02		HS24031707-03		HS24031707-04			
HS24031707-05		HS24031707-06							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: R462778 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011					
MBLK	Sample ID: WMBLK-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 10:00					
Client ID:	Run ID: Balance1_462778	SeqNo: 7920774		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)		U	10.0						
LCS	Sample ID: WLCS-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 10:00					
Client ID:	Run ID: Balance1_462778	SeqNo: 7920773		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)		1020	10.0	1000	0	102	85 - 115		
DUP	Sample ID: HS24031707-03 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 10:00					
Client ID: MW-10	Run ID: Balance1_462778	SeqNo: 7920767		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)		1336	10.0			1332	0.3	20	
DUP	Sample ID: HS24031634-04 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 10:00					
Client ID:	Run ID: Balance1_462778	SeqNo: 7920753		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)		42	10.0			40	4.88	20	
The following samples were analyzed in this batch:		HS24031707-01	HS24031707-02	HS24031707-03	HS24031707-04				

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: R462814 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 16:29					
Client ID:	Run ID: Skalar 03_462814	SeqNo: 7921423		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qua
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-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 16:35					
Client ID:	Run ID: Skalar 03_462814	SeqNo: 7921424		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)	956.4	5.00	1000	0	95.6	85 - 115			
Alkalinity, Total (As CaCO3)	979	5.00	1000	0	97.9	85 - 115			

LCSD	Sample ID: LCSD-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 16:41					
Client ID:	Run ID: Skalar 03_462814	SeqNo: 7921425		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)	955.8	5.00	1000	0	95.6	85 - 115	956.4	0.0628	20
Alkalinity, Total (As CaCO3)	979.3	5.00	1000	0	97.9	85 - 115	979	0.0306	20

DUP	Sample ID: HS24031634-02DUP	Units: mg/L		Analysis Date: 30-Mar-2024 16:53					
Client ID:	Run ID: Skalar 03_462814	SeqNo: 7921427		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)	332.2	5.00					332.8	0.18	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	332.2	5.00					332.8	0.18	20

The following samples were analyzed in this batch:									
HS24031707-01		HS24031707-02		HS24031707-03		HS24031707-04			
HS24031707-05		HS24031707-06							

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: R462881 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923276		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-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923275		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)		960	10.0	1000	0	96.0	85 - 115			
DUP	Sample ID: HS24031766-01 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923267		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)		322	10.0				324	0.619	20	
DUP	Sample ID: HS24031722-02 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923257		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)		2424	10.0				2356	2.85	20	
The following samples were analyzed in this batch:		HS24031707-05		HS24031707-06						

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

QC BATCH REPORT

Batch ID: R462895 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L			Analysis Date: 02-Apr-2024 16:44				
Client ID:	Run ID: ICS-Integrion_462895		SeqNo: 7923545		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: 02-Apr-2024 16:56				
Client ID:	Run ID: ICS-Integrion_462895		SeqNo: 7923546		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) 8.097 0.200 8 0 101 90 - 110									
MS	Sample ID: HS24031707-01MS	Units: mg/L			Analysis Date: 02-Apr-2024 18:37				
Client ID: MW-06	Run ID: ICS-Integrion_462895		SeqNo: 7923558		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) 33.7 2.00 40 1.374 80.8 80 - 120									
MS	Sample ID: HS24031613-01MS	Units: mg/L			Analysis Date: 02-Apr-2024 17:14				
Client ID:	Run ID: ICS-Integrion_462895		SeqNo: 7923548		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) 35.11 2.00 40 2.72 81.0 80 - 120									
MSD	Sample ID: HS24031707-01MSD	Units: mg/L			Analysis Date: 02-Apr-2024 18:43				
Client ID: MW-06	Run ID: ICS-Integrion_462895		SeqNo: 7923559		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) 34.54 2.00 40 1.374 82.9 80 - 120 33.7 2.46 20									
MSD	Sample ID: HS24031613-01MSD	Units: mg/L			Analysis Date: 02-Apr-2024 17:20				
Client ID:	Run ID: ICS-Integrion_462895		SeqNo: 7923549		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) 37.11 2.00 40 2.72 86.0 80 - 120 35.11 5.55 20									
The following samples were analyzed in this batch:									
HS24031707-01		HS24031707-02		HS24031707-03		HS24031707-04			
HS24031707-05		HS24031707-06							

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24031707

QC BATCH REPORT

Batch ID: R463679 (0)		Instrument: Skalar 03		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS24031707-02DUP		Units: pH Units		Analysis Date: 11-Apr-2024 08:18				
Client ID: O2-MW-06	Run ID: Skalar 03_463679		SeqNo: 7941178		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	7.72	0.100					7.71	0.13	10
Temp Deg C @pH	22	0					22	0	10
The following samples were analyzed in this batch:				HS24031707-01		HS24031707-02		HS24031707-03	
				HS24031707-05		HS24031707-06		HS24031707-04	

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031707

**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; 2024	30-Apr-2024
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 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS24031707

Date/Time Received: **29-Mar-2024 10:00**

Client Name: Telesto

Received by: **Paresh M. Giga**

Completed By: <u>/S/ Paresh M. Giga</u>	29-Mar-2024 10:47	Reviewed by: <u>/S/ Tyler Monroe</u>	01-Apr-2024 10:23
eSignature	Date/Time	eSignature	Date/Time

Matrices: **Water**Carrier 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 ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC
Samplers name present on COC?	Yes ☐	No ☒	IDs:308243/308242/none
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):	1.2C/1.1C U/C IR31		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	3/29/24 11:00		
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:



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Chain of Custody Form

HS24031707

Telesio Solutions Inc
Knox Pit

Page 1 of 2

COC ID: 308243



ALS Project Manager:

Project Information

Project Name **Knox Pit**

Project Number **36100**

Bill To Company **Telesio Solutions Inc**

Invoice Attn **Tim Gerken**

Address **750 14th Street**

City/State/Zip **Loveland, CO 80537**

Phone **(970)-48-4-77**

Fax

e-Mail Address **tgerken@telesio-inc.com**

Date **3/27/24**

Time **11:58**

Matrix **W**

Pres. **A2**

Bottles **2**

Shipment Method

Required Turnaround Time: (Check Box)

5 Wk Days ☐

2 Wk Days ☐

Other ☒

Results Due Date:

Requisitioned by **Tim Gerken**

Time **3/27/24**

Received by **Tim Gerken**

Time **2:38 PM**

Received by Laboratory

Time **3/29/24**

Checked by Laboratory

Time **10:00**

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂SO₃ 6-NaHSO₃ 7-Other 8-4°C 9-60°C

Notes: **431**

Level I Std OC ☐

Level II Std OC/Run Date ☐

Level IV SW/40/CLP ☐

Other ☐

Level I Std OC ☐

Level II Std OC/Run Date ☐

Level IV SW/40/CLP ☐

Other ☐

Level I Std OC ☐

Level II Std OC/Run Date ☐

Level IV SW/40/CLP ☐

Other ☐

Level I Std OC ☐

Level II Std OC/Run Date ☐

Level IV SW/40/CLP ☐

Other ☐

Notes: 1. Any changes must be made in writing once samples and COC form have been submitted to ALS Environmental.
2. Only a supervisory signed and formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the contract.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page 2 of 2

COC ID: 308242

HS24031707

Telesto Solutions Inc
Knox Pit



ALS Project Manager:

Customer Information		Project Information		
Purchase Order		Project Name	Knox Pit	A: CN_TW_9014 (Total CN)
Work Order		Project Number	360100	B: 300_W_Nitrate/Nitrite (NO2+NO3 as N)
Company Name	Telesto Solutions Inc	Bill To Company	Telesto Solutions Inc	C: 300_W (Cl, F, *NO2*, *NO3*, SO4)
Send Report To	Tim Gerken	Invoice Attn	Tim Gerken	D: ALK_W 2320B (Alkalinity)
Address	750 14th Street	Address	750 14th Street	E: PH_WM4500H+B (pH)
City/State/Zip	Loveland, CO 80537	City/State/Zip	Loveland CO 80537	F: TDS_W 2540C (TDS)
Phone	(970)-48-477	Phone	(970)-48-477	G: ICP_TW (Total 26 Metals List + Hg)
Fax		Fax		H: ICP_DISS (Dissolved 26 Metal List + Hg) (Field Filtered)
e-Mail Address	tgerken@telesto-inc.com	e-Mail Address	tgerken@telesto-inc.com	I:
				J:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-10	3/27/24	13:12	W	4		X							X			
2	MW-10		13:12		None					X	X	X					
3	MW-13		14:04		2					X				X			
4	MW-13				3			X	X								
5	MW-13				4		X										
6	MW-13				None					X	X	X					
7	MW-12		14:55		2									X			
8	MW-12				3			X	X								
9	MW-12				4		X										
10	MW-12				None					X	X	X					

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:	
Relinquished by: Tim Gerken		Date: 3/27/24	Time: 4:38 pm	Received by: Karen Craven		Notes: Telesto General Pricing	
Relinquished by: Karen Craven		Date: 3-28-24	Time: 1600	Received by (Laboratory): 3/29/24 10:00		QC Package: (Check One Box Below)	
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):		☒ Level II Std QC ☐ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other	
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035							

- Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited in the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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

CHAIN OF CUSTODY

Page 3 of 3

HS24031707

Telesto Solutions Inc
Knox Pit

Right Solution
Right Partner

Shipping to Samples to:



PROJECT NAME: <u>Knox Pit</u>		SAMPLER: <u>Tim Gerken</u>		TURNAROUND: ☐ 10 Day ☐ 5 Day ☐ 3 Day ☐ Other	
PROJECT No.:		SITE ID: <u>Knox Pit</u>		Parameter/Method Request for Analysis	
COMPANY NAME: <u>Telesto</u>		PURCHASE ORDER:		A Total CN	
SEND REPORT TO: <u>Tim Gerken</u>		BILL TO COMPANY:		B 300-W-Nitrate/Nitrite (No2+No3 as N)	
ADDRESS:		INVOICE ATTN TO:		C Cl, E No2, No3, SO4	
CITY / STATE / ZIP: <u>Scotch AS</u>		ADDRESS:		D Alkal-W2320B (Alkalinity)	
PHONE:		CITY / STATE / ZIP:		E pH	
FAX: <u>PAGE 1</u>		PHONE:		F TDS	
E-MAIL:		FAX:		G	
		E-MAIL:		H Dissolved 26 Metal lot- Field Filtered	
				I	

SAMPLE #	FIELD ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	MS/MSD	A	B	C	D	E	F	G	H	I
1	03-Blank	W	3/27/24	14:33	1	2			X								X
2	03-Blank	↓	3/27/24	↓	1	3				X	X						
3	03-Blank	↓	↓	↓	1	4			X								
4	03-Blank	↓	↓	↓	1	None						X	X	X			
5																	
6																	
7																	
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:	QC PACKAGE (check below)	RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME	COOLER TEMP
	LEVEL 6 (Standard QC)	RECEIVED BY	<u>Tim Gerken</u>	<u>Tim Gerken</u>	<u>3/27/24</u>	<u>4:38pm</u>	
	LEVEL IR (Std QC + forms)	RELINQUISHED BY	<u>Karen Craven</u>	<u>Karen Craven</u>	<u>3-27-24</u>	<u>1638</u>	
	LEVEL IV (Std QC + forms + raw data)	RECEIVED BY	<u>Karen Craven</u>	<u>Karen Craven</u>	<u>3-28-24</u>	<u>1600</u>	
		RELINQUISHED BY	<u>P. Ger</u>	<u>P. Ger</u>	<u>3/27/24</u>	<u>10:00</u>	
		RECEIVED BY					

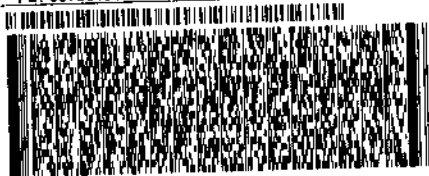
Preservative: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4°C 9-5035

ORIGIN 10:6MYA (281) 530-5656
SAMPLE RECEIVING
ALS
10450 STANCLIFF RD
SUITE 210
HOUSTON, TX 77099
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 54.20 LB
CAD: 0760439/CAFE3709
DIMS: 23x14x13 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING
ALS HOUSTON
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099**

(281) 630-5668
PO: 967554812



TRK# 7122 9261 8773
0201

**FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT**

NA SGRA

**77099
TX--US IAH**





10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

April 15, 2024

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

Work Order: **HS24031766**

Laboratory Results for: **Knox Pit**

Dear Tim Gerken,

ALS Environmental received 1 sample(s) on Mar 30, 2024 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: DAYNA.FISHER

Tyler Monroe

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24031766

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031766-01	MW-19	Water		28-Mar-2024 10:40	30-Mar-2024 09:05	☐

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24031766

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 SW6020A**Batch ID: 210296****Sample ID: HS24031779-01MS**

- MS/MSD and DUPs are for an unrelated sample

Metals by Method SW7470A**Batch ID: 210489**

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

WetChemistry by Method M2540C**Batch ID: R462881**

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

WetChemistry by Method SM4500H+ B**Batch ID: R463679**

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

WetChemistry by Method SM2320B**Batch ID: R462815**

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

WetChemistry by Method E300**Batch ID: R463898****Sample ID: MW-19 (HS24031766-01)**

- 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))

Batch ID: R462701**Sample ID: HS24031767-03MS**

- MS and MSD are for an unrelated sample (Sulfate)

WetChemistry by Method SW9014**Batch ID: 210194**

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-19
 Collection Date: 28-Mar-2024 10:40

ANALYTICAL REPORT

WorkOrder:HS24031766
 Lab ID:HS24031766-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 11-Apr-2024		Analyst: JC	
Aluminum	0.00350	J	0.00180	0.0100	mg/L	1	12-Apr-2024 13:52
Antimony	0.000506	J	0.000400	0.00200	mg/L	1	12-Apr-2024 13:52
Arsenic	U		0.000400	0.00200	mg/L	1	12-Apr-2024 13:52
Barium	0.0605		0.00190	0.00400	mg/L	1	12-Apr-2024 13:52
Beryllium	U		0.000200	0.00200	mg/L	1	12-Apr-2024 13:52
Boron	0.0307		0.0110	0.0200	mg/L	1	12-Apr-2024 13:52
Cadmium	U		0.000200	0.00200	mg/L	1	12-Apr-2024 13:52
Calcium	82.4		0.0340	0.500	mg/L	1	12-Apr-2024 13:52
Chromium	0.000534	J	0.000400	0.00400	mg/L	1	12-Apr-2024 13:52
Cobalt	0.000696	J	0.000200	0.00500	mg/L	1	12-Apr-2024 13:52
Copper	U		0.00100	0.00200	mg/L	1	12-Apr-2024 13:52
Iron	U		0.0120	0.200	mg/L	1	12-Apr-2024 13:52
Lead	U		0.000600	0.00200	mg/L	1	12-Apr-2024 13:52
Lithium	0.00920		0.00100	0.00500	mg/L	1	12-Apr-2024 13:52
Magnesium	10.4		0.0100	0.200	mg/L	1	12-Apr-2024 13:52
Manganese	0.00274	J	0.000700	0.00500	mg/L	1	12-Apr-2024 13:52
Molybdenum	0.00248	J	0.000600	0.00500	mg/L	1	12-Apr-2024 13:52
Nickel	U		0.000600	0.00200	mg/L	1	12-Apr-2024 13:52
Potassium	1.24		0.0180	0.200	mg/L	1	12-Apr-2024 13:52
Selenium	U		0.00110	0.00200	mg/L	1	12-Apr-2024 13:52
Silver	U		0.000200	0.00200	mg/L	1	12-Apr-2024 13:52
Sodium	6.75		0.0140	0.200	mg/L	1	12-Apr-2024 13:52
Thallium	U		0.000200	0.00200	mg/L	1	12-Apr-2024 13:52
Uranium	0.00444	J	0.000500	0.00500	mg/L	1	12-Apr-2024 13:52
Vanadium	U		0.000600	0.00500	mg/L	1	12-Apr-2024 13:52
Zinc	U		0.00200	0.00400	mg/L	1	12-Apr-2024 13:52
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 15-Apr-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	15-Apr-2024 15:05
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	7.19		0.200	0.500	mg/L	1	30-Mar-2024 10:21
Fluoride	0.318		0.0500	0.100	mg/L	1	30-Mar-2024 10:21
Nitrogen, Nitrate (As N)	0.362		0.0300	0.100	mg/L	1	30-Mar-2024 10:21
Nitrogen, Nitrite (As N)	0.0802	J	0.0300	0.100	mg/L	1	30-Mar-2024 10:21
Sulfate	98.8		0.200	0.500	mg/L	1	30-Mar-2024 10:21
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	11-Apr-2024 21:36
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: HB	
Total Dissolved Solids (Residue, Filterable)	324		5.00	10.0	mg/L	1	01-Apr-2024 11:00

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-19
Collection Date: 28-Mar-2024 10:40

ANALYTICAL REPORT

WorkOrder:HS24031766
Lab ID:HS24031766-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: JAC	
Alkalinity, Bicarbonate (As CaCO3)	180		3.00	5.00	mg/L	1	30-Mar-2024 19:31
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	30-Mar-2024 19:31
Alkalinity, Total (As CaCO3)	180		2.50	5.00	mg/L	1	30-Mar-2024 19:31
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	8.04	H	0.100	0.100	pH Units	1	11-Apr-2024 08:29
Temp Deg C @pH	21.9	H	0	0	°C	1	11-Apr-2024 08:29
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 09-Apr-2024 Analyst: MZD	
Cyanide	U		0.00200	0.00500	mg/L	1	10-Apr-2024 17:10

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

Weight / Prep Log

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

Batch ID: 210194	Start Date: 09 Apr 2024 09:00	End Date: 09 Apr 2024 09:00
Method: CYANIDE PREP - SW9010C	Prep Code: CN_TW_PR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031766-01		50 (mL)	50 (mL)	1	120ml Plastic, Neat NaOH

Batch ID: 210296	Start Date: 11 Apr 2024 11:00	End Date: 11 Apr 2024 11:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031766-01		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 210489	Start Date: 15 Apr 2024 09:00	End Date: 15 Apr 2024 09:00
Method: MERCURY PREP BY 7470A - DISSOLVED	Prep Code: HG_W_DISSPR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031766-01		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 210194 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40		09 Apr 2024 09:00	10 Apr 2024 17:10	1
Batch ID: 210296 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40		11 Apr 2024 11:00	12 Apr 2024 13:52	1
Batch ID: 210489 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40		15 Apr 2024 09:00	15 Apr 2024 15:05	1
Batch ID: R462701 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40			30 Mar 2024 10:21	1
Batch ID: R462815 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40			30 Mar 2024 19:31	1
Batch ID: R462881 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40			01 Apr 2024 11:00	1
Batch ID: R463679 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40			11 Apr 2024 08:29	1
Batch ID: R463898 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24031766-01	MW-19	28 Mar 2024 10:40			11 Apr 2024 21:36	10

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-210296	Units: mg/L		Analysis Date: 12-Apr-2024 13:39					
Client ID:	Run ID: ICPMS06_463846		SeqNo: 7945137		PrepDate: 11-Apr-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	U	0.0100							
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	0.1018	0.200							J
Thallium	U	0.00200							
Uranium	U	0.00500							
Vanadium	U	0.00500							
Zinc	U	0.00400							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS		Sample ID: LCS-210296		Units: mg/L		Analysis Date: 12-Apr-2024 13:41			
Client ID:		Run ID: ICPMS06_463846		SeqNo: 7945138		PrepDate: 11-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.08818	0.0100	0.1	0	88.2	80 - 120			
Antimony	0.04558	0.00200	0.05	0	91.2	80 - 120			
Arsenic	0.04272	0.00200	0.05	0	85.4	80 - 120			
Barium	0.0447	0.00400	0.05	0	89.4	80 - 120			
Beryllium	0.04122	0.00200	0.05	0	82.4	80 - 120			
Boron	0.439	0.0200	0.5	0	87.8	80 - 120			
Cadmium	0.04405	0.00200	0.05	0	88.1	80 - 120			
Calcium	5.054	0.500	5	0	101	80 - 120			
Chromium	0.04693	0.00400	0.05	0	93.9	80 - 120			
Cobalt	0.04892	0.00500	0.05	0	97.8	80 - 120			
Copper	0.04728	0.00200	0.05	0	94.6	80 - 120			
Iron	4.658	0.200	5	0	93.2	80 - 120			
Lead	0.0455	0.00200	0.05	0	91.0	80 - 120			
Lithium	0.09208	0.00500	0.1	0	92.1	80 - 120			
Magnesium	4.621	0.200	5	0	92.4	80 - 120			
Manganese	0.04726	0.00500	0.05	0	94.5	80 - 120			
Molybdenum	0.04441	0.00500	0.05	0	88.8	80 - 120			
Nickel	0.04478	0.00200	0.05	0	89.6	80 - 120			
Potassium	4.57	0.200	5	0	91.4	80 - 120			
Selenium	0.04412	0.00200	0.05	0	88.2	80 - 120			
Silver	0.04818	0.00200	0.05	0	96.4	80 - 120			
Sodium	4.592	0.200	5	0	91.8	80 - 120			
Thallium	0.04211	0.00200	0.05	0	84.2	80 - 120			
Uranium	0.08801	0.00500	0.1	0	88.0	80 - 120			
Vanadium	0.04531	0.00500	0.05	0	90.6	80 - 120			
Zinc	0.04423	0.00400	0.05	0	88.5	80 - 120			

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS24031779-01MS		Units: mg/L		Analysis Date: 12-Apr-2024 13:47			
Client ID:		Run ID: ICPMS06_463846		SeqNo: 7945141		PrepDate: 11-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1063	0.0100	0.1	0.005361	101	75 - 125			
Antimony	0.04805	0.00200	0.05	0	96.1	75 - 125			
Arsenic	0.04607	0.00200	0.05	0	92.2	75 - 125			
Barium	0.228	0.00400	0.05	0.1782	99.7	75 - 125			
Beryllium	0.04566	0.00200	0.05	0	91.3	75 - 125			
Boron	0.9746	0.0200	0.5	0.4594	103	75 - 125			
Cadmium	0.04646	0.00200	0.05	0	92.9	75 - 125			
Calcium	83.93	0.500	5	70.02	278	75 - 125			SO
Chromium	0.05032	0.00400	0.05	0.000702	99.2	75 - 125			
Cobalt	0.05063	0.00500	0.05	0.000376	101	75 - 125			
Copper	0.04829	0.00200	0.05	0	96.6	75 - 125			
Iron	4.819	0.200	5	0	96.4	75 - 125			
Lead	0.04896	0.00200	0.05	0	97.9	75 - 125			
Lithium	0.126	0.00500	0.1	0.04277	83.2	75 - 125			
Magnesium	44.89	0.200	5	35.55	187	75 - 125			SO
Manganese	0.7011	0.00500	0.05	0.5777	247	75 - 125			SO
Molybdenum	0.04888	0.00500	0.05	0	97.8	75 - 125			
Nickel	0.04674	0.00200	0.05	0.001127	91.2	75 - 125			
Potassium	11.89	0.200	5	6.348	111	75 - 125			
Selenium	0.01675	0.00200	0.05	0	33.5	75 - 125			S
Silver	0.04928	0.00200	0.05	0	98.6	75 - 125			
Sodium	225.8	0.200	5	196.5	587	75 - 125			SEO
Thallium	0.04622	0.00200	0.05	0	92.4	75 - 125			
Uranium	0.09408	0.00500	0.1	0	94.1	75 - 125			
Vanadium	0.05266	0.00500	0.05	0.001952	101	75 - 125			
Zinc	0.04936	0.00400	0.05	0	98.7	75 - 125			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD		Sample ID: HS24031779-01MSD		Units: mg/L		Analysis Date: 12-Apr-2024 13:48			
Client ID:		Run ID: ICPMS06_463846		SeqNo: 7945142		PrepDate: 11-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1031	0.0100	0.1	0.005361	97.8	75 - 125	0.1063	2.99	20
Antimony	0.04849	0.00200	0.05	0	97.0	75 - 125	0.04805	0.897	20
Arsenic	0.04603	0.00200	0.05	0	92.1	75 - 125	0.04607	0.0912	20
Barium	0.2321	0.00400	0.05	0.1782	108	75 - 125	0.228	1.79	20
Beryllium	0.04498	0.00200	0.05	0	90.0	75 - 125	0.04566	1.5	20
Boron	0.9665	0.0200	0.5	0.4594	101	75 - 125	0.9746	0.84	20
Cadmium	0.04715	0.00200	0.05	0	94.3	75 - 125	0.04646	1.48	20
Calcium	83.22	0.500	5	70.02	264	75 - 125	83.93	0.846	20 SO
Chromium	0.04997	0.00400	0.05	0.000702	98.5	75 - 125	0.05032	0.714	20
Cobalt	0.05082	0.00500	0.05	0.000376	101	75 - 125	0.05063	0.382	20
Copper	0.04796	0.00200	0.05	0	95.9	75 - 125	0.04829	0.68	20
Iron	4.872	0.200	5	0	97.4	75 - 125	4.819	1.1	20
Lead	0.05014	0.00200	0.05	0	100	75 - 125	0.04896	2.38	20
Lithium	0.1218	0.00500	0.1	0.04277	79.0	75 - 125	0.126	3.37	20
Magnesium	44.9	0.200	5	35.55	187	75 - 125	44.89	0.00891	20 SO
Manganese	0.701	0.00500	0.05	0.5777	247	75 - 125	0.7011	0.00257	20 SO
Molybdenum	0.04919	0.00500	0.05	0	98.4	75 - 125	0.04888	0.624	20
Nickel	0.04649	0.00200	0.05	0.001127	90.7	75 - 125	0.04674	0.528	20
Potassium	11.94	0.200	5	6.348	112	75 - 125	11.89	0.482	20
Selenium	0.01688	0.00200	0.1	0	16.9	75 - 125	0.01675	0.785	20 S
Silver	0.04913	0.00200	0.05	0	98.3	75 - 125	0.04928	0.299	20
Sodium	223.3	0.200	5	196.5	537	75 - 125	225.8	1.11	20 SEO
Thallium	0.04802	0.00200	0.05	0	96.0	75 - 125	0.04622	3.83	20
Uranium	0.09427	0.00500	0.1	0	94.3	75 - 125	0.09408	0.208	20
Vanadium	0.05253	0.00500	0.05	0.001952	101	75 - 125	0.05266	0.236	20
Zinc	0.04898	0.00400	0.05	0	98.0	75 - 125	0.04936	0.767	20

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS24031779-01PDS		Units: mg/L		Analysis Date: 12-Apr-2024 13:50			
Client ID:		Run ID: ICPMS06_463846		SeqNo: 7945143		PrepDate: 11-Apr-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1022	0.0100	0.1	0.005361	96.8	75 - 125			
Antimony	0.09848	0.00200	0.1	0.000065	98.4	75 - 125			
Arsenic	0.09592	0.00200	0.1	0.000374	95.5	75 - 125			
Barium	0.2798	0.00400	0.1	0.1782	102	75 - 125			
Beryllium	0.09432	0.00200	0.1	0.000009	94.3	75 - 125			
Cadmium	0.09628	0.00200	0.1	0.000002	96.3	75 - 125			
Calcium	88.12	0.500	10	70.02	181	75 - 125			SO
Chromium	0.1027	0.00400	0.1	0.000702	102	75 - 125			
Cobalt	0.09684	0.00500	0.1	0.000376	96.5	75 - 125			
Copper	0.09992	0.00200	0.1	0.00019	99.7	75 - 125			
Iron	10.03	0.200	10	0.0113	100	75 - 125			
Lead	0.09836	0.00200	0.1	0.000215	98.1	75 - 125			
Lithium	0.1445	0.00500	0.1	0.04277	102	75 - 125			
Manganese	0.7516	0.00500	0.1	0.5777	174	75 - 125			SO
Molybdenum	0.1017	0.00500	0.1	0.000121	102	75 - 125			
Nickel	0.09551	0.00200	0.1	0.001127	94.4	75 - 125			
Potassium	17.28	0.200	10	6.348	109	75 - 125			
Selenium	0.09587	0.00200	0.1	-0.000418	96.3	75 - 125			
Silver	0.1003	0.00200	0.1	0.000009	100	75 - 125			
Thallium	0.1103	0.00200	0.1	0.000056	110	75 - 125			
Uranium	0.1029	0.00500	0.1	0.000033	103	75 - 125			
Vanadium	0.1058	0.00500	0.1	0.001952	104	75 - 125			
Zinc	0.09624	0.00400	0.1	0.001341	94.9	75 - 125			

PDS		Sample ID: HS24031779-01PDS		Units: mg/L		Analysis Date: 12-Apr-2024 15:27			
Client ID:		Run ID: ICPMS06_463846		SeqNo: 7945707		PrepDate: 11-Apr-2024		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Magnesium	142.8	2.00	100	35.6	107	75 - 125			
Sodium	307.7	2.00	100	194.2	114	75 - 125			

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24031766

QC BATCH REPORT

Batch ID: 210296 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD	Sample ID: HS24031779-01SD	Units: mg/L		Analysis Date: 12-Apr-2024 13:43					
Client ID:	Run ID: ICPMS06_463846		SeqNo: 7945139		PrepDate: 11-Apr-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	U	0.0500					0.005361	0	10
Antimony	U	0.0100					0.000065	0	10
Arsenic	U	0.0100					0.000374	0	10
Barium	0.1845	0.0200					0.1782	3.58	10
Beryllium	U	0.0100					0.000009	0	10
Cadmium	U	0.0100					0.000002	0	10
Calcium	75.8	2.50					70.02	8.25	10
Chromium	U	0.0200					0.000702	0	10
Cobalt	U	0.0250					0.000376	0	10
Copper	U	0.0100					0.00019	0	10
Iron	U	1.00					0.0113	0	10
Lead	U	0.0100					0.000215	0	10
Lithium	0.04409	0.0250					0.04277	3.09	10
Manganese	0.6353	0.0250					0.5777	9.97	10
Molybdenum	U	0.0250					0.000121	0	10
Nickel	U	0.0100					0.001127	0	10
Potassium	6.795	1.00					6.348	7.05	10
Selenium	U	0.0100					-0.000418	0	10
Silver	U	0.0100					0.000009	0	10
Thallium	0.003272	0.0100					0.000056	0	10 J
Uranium	U	0.0250					0.000033	0	10
Vanadium	U	0.0250					0.001952	0	10
Zinc	U	0.0200					0.001341	0	10

SD	Sample ID: HS24031779-01SD	Units: mg/L		Analysis Date: 12-Apr-2024 15:26					
Client ID:	Run ID: ICPMS06_463846		SeqNo: 7945706		PrepDate: 11-Apr-2024		DF: 50		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Magnesium	44.24	10.0					35.6	24.3	10 R
Sodium	218.1	10.0					194.2	12.3	10 R

The following samples were analyzed in this batch: HS24031766-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210489 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)						
MBLK	Sample ID: MBLK-210489	Units: mg/L		Analysis Date: 15-Apr-2024 15:00						
Client ID:	Run ID: HG04_464070		SeqNo: 7948967		PrepDate: 15-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	U	0.000200								

LCS	Sample ID: LCS-210489	Units: mg/L		Analysis Date: 15-Apr-2024 15:04						
Client ID:	Run ID: HG04_464070		SeqNo: 7948968		PrepDate: 15-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00487	0.000200	0.005	0	97.4	80 - 120				

MS	Sample ID: HS24040025-01MS	Units: mg/L		Analysis Date: 15-Apr-2024 15:42						
Client ID:	Run ID: HG04_464070		SeqNo: 7948985		PrepDate: 15-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00492	0.000200	0.005	0.000006	98.3	80 - 120				

MSD	Sample ID: HS24040025-01MSD	Units: mg/L		Analysis Date: 15-Apr-2024 15:27						
Client ID:	Run ID: HG04_464070		SeqNo: 7948981		PrepDate: 15-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00491	0.000200	0.005	0.000006	98.1	80 - 120	0.00492	0.203	20	

The following samples were analyzed in this batch: HS24031766-01

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: 210194 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-210194	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941932		PrepDate: 09-Apr-2024		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-210194	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941931		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.196	0.00500	0.2	0	98.0	80 - 120			
MS	Sample ID: HS24031716-01MS	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941929		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.191	0.00500	0.2	0.002	94.5	80 - 120			
MSD	Sample ID: HS24031716-01MSD	Units: mg/L		Analysis Date: 10-Apr-2024 17:10					
Client ID:	Run ID: UV-2450_463724	SeqNo: 7941930		PrepDate: 09-Apr-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.19	0.00500	0.2	0.002	94.0	80 - 120	0.191	0.525	20
The following samples were analyzed in this batch: HS24031766-01									

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R462701 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 30-Mar-2024 13:25					
Client ID:	Run ID: ICS-Integrion_462701		SeqNo: 7918763		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							
Nitrogen, Nitrate (As N)	U	0.100							
Nitrogen, Nitrite (As N)	U	0.100							
Sulfate	U	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 30-Mar-2024 13:37					
Client ID:	Run ID: ICS-Integrion_462701		SeqNo: 7918764		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	21.43	0.500	20	0	107	90 - 110			
Fluoride	4.394	0.100	4	0	110	90 - 110			
Nitrogen, Nitrate (As N)	4.118	0.100	4	0	103	90 - 110			
Nitrogen, Nitrite (As N)	4.2	0.100	4	0	105	90 - 110			
Sulfate	21.89	0.500	20	0	109	90 - 110			

MS	Sample ID: HS24031767-03MS	Units: mg/L		Analysis Date: 30-Mar-2024 15:35					
Client ID:	Run ID: ICS-Integrion_462701		SeqNo: 7918776		PrepDate:		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	283	10.0	200	78.26	102	80 - 120			
Fluoride	40.53	2.00	40	0	101	80 - 120			
Nitrogen, Nitrate (As N)	45.63	2.00	40	5.94	99.2	80 - 120			
Nitrogen, Nitrite (As N)	40.34	2.00	40	1.04	98.2	80 - 120			
Sulfate	932.7	10.0	200	786	73.3	80 - 120			S

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R462701 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MS		Sample ID: HS24031757-01MS		Units: mg/L		Analysis Date: 30-Mar-2024 11:09			
Client ID:		Run ID: ICS-Integrion_462701		SeqNo: 7918746		PrepDate:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	460.7	10.0	200	246.9	107	80 - 120			
Fluoride	37.52	2.00	40	0	93.8	80 - 120			
Nitrogen, Nitrate (As N)	40.06	2.00	40	0	100	80 - 120			
Nitrogen, Nitrite (As N)	40	2.00	40	0.992	97.5	80 - 120			
Sulfate	1197	10.0	200	1010	93.6	80 - 120			O
MSD		Sample ID: HS24031767-03MSD		Units: mg/L		Analysis Date: 30-Mar-2024 15:41			
Client ID:		Run ID: ICS-Integrion_462701		SeqNo: 7918777		PrepDate:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	292.3	10.0	200	78.26	107	80 - 120	283	3.24	20
Fluoride	40.44	2.00	40	0	101	80 - 120	40.53	0.207	20
Nitrogen, Nitrate (As N)	46.25	2.00	40	5.94	101	80 - 120	45.63	1.35	20
Nitrogen, Nitrite (As N)	41.24	2.00	40	1.04	101	80 - 120	40.34	2.23	20
Sulfate	939.7	10.0	200	786	76.8	80 - 120	932.7	0.751	20 S
MSD		Sample ID: HS24031757-01MSD		Units: mg/L		Analysis Date: 30-Mar-2024 11:15			
Client ID:		Run ID: ICS-Integrion_462701		SeqNo: 7918747		PrepDate:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	460.6	10.0	200	246.9	107	80 - 120	460.7	0.0304	20
Fluoride	38.19	2.00	40	0	95.5	80 - 120	37.52	1.75	20
Nitrogen, Nitrate (As N)	40.21	2.00	40	0	101	80 - 120	40.06	0.374	20
Nitrogen, Nitrite (As N)	40.14	2.00	40	0.992	97.9	80 - 120	40	0.349	20
Sulfate	1197	10.0	200	1010	93.5	80 - 120	1197	0.0291	20 O
The following samples were analyzed in this batch: HS24031766-01									

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R462815 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 19:13					
Client ID:	Run ID: Skalar 03_462815	SeqNo: 7921451		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-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 19:19					
Client ID:	Run ID: Skalar 03_462815	SeqNo: 7921452		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)	937	5.00	1000	0	93.7	85 - 115			
Alkalinity, Total (As CaCO3)	980.9	5.00	1000	0	98.1	85 - 115			

LCSD	Sample ID: LCSD-03302024	Units: mg/L		Analysis Date: 30-Mar-2024 19:26					
Client ID:	Run ID: Skalar 03_462815	SeqNo: 7921453		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)	932.2	5.00	1000	0	93.2	85 - 115	937	0.514	20
Alkalinity, Total (As CaCO3)	978.3	5.00	1000	0	97.8	85 - 115	980.9	0.265	20

DUP	Sample ID: HS24031766-01DUP	Units: mg/L		Analysis Date: 30-Mar-2024 19:36					
Client ID: MW-19	Run ID: Skalar 03_462815	SeqNo: 7921455		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)	178.2	5.00					180.2	1.12	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	178.2	5.00					180.2	1.12	20

The following samples were analyzed in this batch: HS24031766-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R462881 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923276		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-04012024	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923275		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)		960	10.0	1000	0	96.0	85 - 115			
DUP	Sample ID: HS24031766-01 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID: MW-19	Run ID: Balance1_462881	SeqNo: 7923267		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)		322	10.0				324	0.619	20	
DUP	Sample ID: HS24031722-02 DUP	Units: mg/L		Analysis Date: 01-Apr-2024 11:00						
Client ID:	Run ID: Balance1_462881	SeqNo: 7923257		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)		2424	10.0				2356	2.85	20	
The following samples were analyzed in this batch:		HS24031766-01								

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R463679 (0)		Instrument: Skalar 03		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS24031707-02DUP	Units: pH Units		Analysis Date: 11-Apr-2024 08:18					
Client ID:	Run ID: Skalar 03_463679		SeqNo: 7941178		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	7.72	0.100					7.71	0.13	10
Temp Deg C @pH	22	0					22	0	10
The following samples were analyzed in this batch: HS24031766-01									

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

QC BATCH REPORT

Batch ID: R463898 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 11-Apr-2024 19:55					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945350		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: 11-Apr-2024 20:01					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945351		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)	7.704	0.200	8	0	96.3	90 - 110			
MS	Sample ID: HS24040460-01MS	Units: mg/L		Analysis Date: 11-Apr-2024 20:19					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945353		PrepDate:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N)	16.21	1.00	20	0	81.0	80 - 120			
MS	Sample ID: HS24031767-01MS	Units: mg/L		Analysis Date: 11-Apr-2024 20:43					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945357		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)	41.61	2.00	40	8.667	82.4	80 - 120			
MSD	Sample ID: HS24040460-01MSD	Units: mg/L		Analysis Date: 11-Apr-2024 20:25					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945354		PrepDate:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N)	16.75	1.00	20	0	83.7	80 - 120	16.21	3.28	20
MSD	Sample ID: HS24031767-01MSD	Units: mg/L		Analysis Date: 11-Apr-2024 20:49					
Client ID:	Run ID: ICS-Integrion_463898		SeqNo: 7945358		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)	41.71	2.00	40	8.667	82.6	80 - 120	41.61	0.247	20
The following samples were analyzed in this batch: HS24031766-01									

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24031766

**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; 2024	30-Apr-2024
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 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231 TX-C24-00109	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS24031766

Date/Time Received: 30-Mar-2024 09:05

Client Name: Telesto

Received by: Aytu Tuncer

Completed By: /S/ Kaycee Rogers	30-Mar-2024 11:07	Reviewed by: /S/ Tyler Monroe	02-Apr-2024 09:44
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

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):	2.1UC/2.0C 2.7UC/2.6C IR 31		
Cooler(s)/Kit(s):	RED, BLUE		
Date/Time sample(s) sent to storage:	03/30/2024 11:09		
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

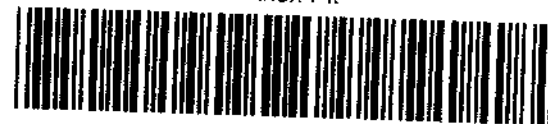
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HS24031766

Telesto Solutions Inc
Knox Pit

Right Solution
Right Partner

Shipping to Samples to:



PROJECT NAME		Knox Pit		SAMPLER		Tim Gester			
PROJECT No.				SITE ID					
				EDD FORMAT					
				PURCHASE ORDER					
COMPANY NAME		Telesto Solutions		BILL TO COMPANY					
SEND REPORT TO		Tim Gester		INVOICE ATTN TO					
ADDRESS				ADDRESS					
CITY / STATE / ZIP				CITY / STATE / ZIP					
PHONE		720-438-5513		PHONE					
FAX				FAX					
E-MAIL		tgest@telesto-inc.com		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	3/28/24	10:40	1	None				X	X	X					
2	MW-19	↓	3/28/24	↓	1	2									X		
3	MW-19	↓	↓	↓	1	3			X								
4	MW-19	↓	↓	↓	1	4								X			
5																	
6																	
7																	
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: Dissolved Metals Field Filtered	QC PACKAGE (check below)		RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME	COOLER TEMP
	LEVEL II (Standard QC)		RECEIVED BY	Karen Crava	Tim Gester	3/28/24	3:48 PM	
	LEVEL III (Std QC + forms)		RELINQUISHED BY	Karen Crava	Karen Crava	3/28/24	1542	
	LEVEL IV (Std QC + forms + raw data)		RECEIVED BY	P.T	Karen Crava	3/29/24	1600	
			RELINQUISHED BY			3/28/24	9:05	
			RECEIVED BY					

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



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

CHAIN OF CUSTODY

Page 1 of 1

Right Solution
Right Partner

Shipping to Samples to: _____

PROJECT NAME		Knox Pit		SAMPLER		Tim Gerken		TURNAROUND: ☐ 10 Day ☐ 5 Day ☐ 3 Day ☐ Other: _____	
PROJECT No.				SITE ID				Parameter/Method Request for Analysis	
				EDD FORMAT				A 300-W/Cl, F, No2, No3, SO4	
				PURCHASE ORDER				B A/K - W2320B (A/Kent)	
COMPANY NAME		Telesto Solutions		BILL TO COMPANY				C Pit	
SEND REPORT TO		Tim Gerken		INVOICE ATTN TO				D TDS	
ADDRESS				ADDRESS				E 300-W - Nitrate/Nitrite (162 + 163 2M)	
CITY / STATE / ZIP				CITY / STATE / ZIP				F CN. TW9019 (Total CN)	
PHONE		720-438-5513		PHONE				G Dissolved Metals 26 + Hg	
FAX				FAX				H	
E-MAIL		tgerken@telesto-inc.com		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-19	W	3/28/24	10:40	1	None				X	X	X					
2	MW-19	↓	3/28/24	↓	1	2									X		
3	MW-19	↓	↓	↓	1	3			X								
4	MW-19	↓	↓	↓	1	4								X			
5																	
6																	
7																	
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:

Dissolved Metals
Field Filtered

QC PACKAGE (check below)

LEVEL II (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw data)

RELINQUISHED BY

[Signature]

PRINTED NAME

Tim Gerken

DATE

3/28/24

TIME

3:42 pm

COOLER TEMP

RECEIVED BY

Karen Craven

Karen Craven

3/28/24

1542

RELINQUISHED BY

Karen Craven

Karen Craven

3/29/24

1600

RECEIVED BY

3/29/24

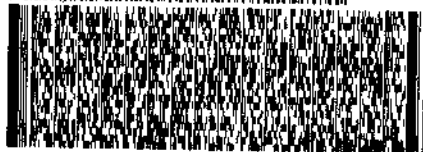
3/29/24

2405

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

SHIP DATE: 29MAR24
ACTWGT: 48.65 LB
CAD: 0760439/CAFF
DIMS: 23x14x1
BILL T

809
1



FedEx
Express



SATURDAY 12:00P
PRIORITY OVERNIGHT

XO SGRA

77099
TX--US IAH



ATTACHMENT 2

Sampling Location: MW-06	Sample Date	9/24/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	4.54 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.007 J	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	0.0006 J	0.002	0.01
BARIUM	MG/L	0.028	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	252	5	NA
BORON	MG/L	0.059	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	8.85	0.5	250
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	0.0009 J	0.005	**0.05
COPPER	MG/L	0.004	0.002	**0.2
FLUORIDE	MG/L	0.78	0.1	2
IRON	MG/L	ND	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.002 J	0.005	0.05
MOLYBDENUM	MG/L	0.009	0.005	0.21
NICKEL	MG/L	0.002 J	0.002	0.1
NITRATE AS N	MG/L	4.62	0.1	10
NITRATE/NITRITE AS N	MG/L	4.45	2	10
NITRITE AS N	MG/L	0.08 J	0.1	1
pH	pH UNIT	7.74	0.1	**6.5-8.5
SELENIUM	MG/L	0.0037	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	381	4	250
TOTAL DISSOLVED SOLIDS	MG/L	710	10	***
URANIUM	MG/L	0.013	0.005	0.0168
pH (Field)	pH UNIT	7.36		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	836		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	16.8		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	9/24/2024	9/24/2024	Knox Pit M2017-036	
	Sample Type	Primary	Duplicate		
	Depth to Water	5.40 feet	5.40 feet		
Analyte List	Value Units	Dissolved	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.007 J	0.008 J	0.01	**5
ANTIMONY	MG/L	0.0004 J	ND	0.002	0.006
ARSENIC	MG/L	0.0005 J	ND	0.002	0.01
BARIUM	MG/L	0.032	0.031	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	269	264	5	NA
BORON	MG/L	0.04	0.04	0.02	**0.75
CADMIUM	MG/L	ND	ND	0.002	0.005
CHLORIDE	MG/L	8.27	8.26	0.5	250
CHROMIUM	MG/L	ND	ND	0.004	0.1
COBALT	MG/L	0.0007 J	0.0006 J	0.005	**0.05
COPPER	MG/L	0.002 J	0.002	0.002	**0.2
FLUORIDE	MG/L	0.64	0.65	0.1	2
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
MANGANESE	MG/L	0.003 J	0.003 J	0.005	0.05
MOLYBDENUM	MG/L	0.004 J	0.004 J	0.005	0.21
NICKEL	MG/L	0.0006 J	0.0008 J	0.002	0.1
NITRATE AS N	MG/L	8.06	8.08	0.1	10
NITRATE/NITRITE AS N	MG/L	8.09	8.01	2	10
NITRITE AS N	MG/L	0.1	0.1	0.1	1
pH	pH UNIT	7.75	7.77	0.1	**6.5-8.5
SELENIUM	MG/L	0.031	0.030	0.002	**0.02
SILVER	MG/L	ND	ND	0.002	0.05
SULFATE	MG/L	304	304	10	250
TOTAL DISSOLVED SOLIDS	MG/L	654	628	10	***
URANIUM	MG/L	0.0138	0.0132	0.005	0.0168
pH (Field)	pH UNIT	7.32	7.45		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	795	831		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	17.1	17.2		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	9/13/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	4.98 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.005 J	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.03	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	199	5	NA
BORON	MG/L	0.05	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	19.9	0.5	250
CHROMIUM	MG/L	0.0007 J	0.004	0.1
COBALT	MG/L	0.002 J	0.005	**0.05
COPPER	MG/L	0.001 J	0.002	**0.2
FLUORIDE	MG/L	0.61	0.1	2
IRON	MG/L	0.079 J	0.2	0.3
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.003 J	0.005	0.05
MOLYBDENUM	MG/L	0.004 J	0.005	0.21
NICKEL	MG/L	0.001 J	0.002	0.1
NITRATE AS N	MG/L	0.43	0.1	10
NITRATE/NITRITE AS N	MG/L	0.64	2	10
NITRITE AS N	MG/L	0.03 J	0.1	1
pH	PH	7.62	0.1	**6.5-8.5
SELENIUM	MG/L	0.0027	0.002	**0.02
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	652	10	250
TOTAL DISSOLVED SOLIDS	MG/L	1100	10	***
URANIUM	MG/L	0.0102	0.005	0.0168
pH (Field)	pH UNIT	7.00		6.50-8.50
CONDUCTIVITY (FIELD)	μS/cm	1420		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	16.3		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	9/24/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	5.41 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.008 J	0.01	**5
ANTIMONY	MG/L	0.0004 J	0.002	0.006
ARSENIC	MG/L	0.0005 J	0.002	0.01
BARIUM	MG/L	0.18	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	289	5	NA
BORON	MG/L	0.079	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	17.5	0.5	250
CHROMIUM	MG/L	0.0005 J	0.004	0.1
COBALT	MG/L	0.001 J	0.005	**0.05
COPPER	MG/L	0.001 J	0.002	**0.2
FLUORIDE	MG/L	0.23	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.001 J	0.005	**0.2
MOLYBDENUM	MG/L	0.001 J	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	0.51	0.1	10
NITRATE/NITRITE AS N	MG/L	0.67	2	10
NITRITE AS N	MG/L	0.068 J	0.1	1
pH	pH UNIT	7.86	0.1	**6.5-8.5
SELENIUM	MG/L	0.0023	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	461	10	250
TOTAL DISSOLVED SOLIDS	MG/L	874	10	***
URANIUM	MG/L	0.0112	0.005	0.0168
pH (Field)	pH UNIT	7.44		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	929		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.2		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	9/24/2024	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	5.05 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.009 J	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.026	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	95	5	NA
BORON	MG/L	0.013	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	3.93	0.5	250
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	0.0005 J	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
FLUORIDE	MG/L	0.44	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	0.003 J	0.005	**0.2
MOLYBDENUM	MG/L	0.003 J	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	0.13	0.1	10
NITRATE/NITRITE AS N	MG/L	0.36	2	10
NITRITE AS N	MG/L	0.07	0.1	1
PH	PH	8.06	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	24.8	10	250
TOTAL DISSOLVED SOLIDS	MG/L	84	10	***
URANIUM	MG/L	0.0007 J	0.005	0.0168
pH (Field)	pH UNIT	7.96		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	175		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	15.1		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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	9/24/2024	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	0.008 J	0.01	**5
ANTIMONY	MG/L	ND	0.002	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	ND	0.004	2
BERYLLIUM	MG/L	ND	0.002	0.004
Bicarbonate as CaCO3	MG/L	ND	5	NA
BORON	MG/L	ND	0.02	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHLORIDE	MG/L	ND	0.5	250
CHROMIUM	MG/L	ND	0.004	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.002	**0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.2	**5
LEAD	MG/L	ND	0.002	0.05
MANGANESE	MG/L	ND	0.005	**0.2
MOLYBDENUM	MG/L	ND	0.005	0.21
NICKEL	MG/L	ND	0.002	0.1
NITRATE AS N	MG/L	0.03	0.1	10
NITRATE/NITRITE AS N	MG/L	ND	2	10
NITRITE AS N	MG/L	ND	0.1	1
pH	PH	5.45	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.002	0.05
SILVER	MG/L	ND	0.002	0.05
SULFATE	MG/L	ND	0.5	250
TOTAL DISSOLVED SOLIDS	MG/L	ND	10	***
URANIUM	MG/L	ND	0.005	0.0168
pH (Field)	pH UNIT	NM		6.50-8.50
CONDUCTIVITY (FIELD)	µS/cm	NM		+/- 5%
TEMPERATURE (FIELD)	CELSUIS	NM		+/- 0.5 C
ND = Non-Detect NM= Not Measured J = Analyte detected below quantitation limit * 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				



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 27, 2024

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

Work Order: **HS24090710**

Laboratory Results for: **Knox Pit**

Dear Tim Gerken,

ALS Environmental received 1 sample(s) on Sep 14, 2024 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: DAYNA.FISHER

Anna Kinchen
Project Manager

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24090710

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24090710-01	MW-12	Water		13-Sep-2024 10:40	14-Sep-2024 09:20	☐

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24090710

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 SW6020A**Batch ID: 218076****Sample ID: HS24091027-01MS**

- MS and MSD are for an unrelated sample

Metals by Method SW7470A**Batch ID: 218030**

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

WetChemistry by Method SM2320B**Batch ID: R478118**

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

WetChemistry by Method SM4500H+ B**Batch ID: R478087**

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

WetChemistry by Method M2540C**Batch ID: R477619**

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

WetChemistry by Method E300**Batch ID: R477298****Sample ID: MW-12 (HS24090710-01)**

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

Batch ID: R477207

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

WetChemistry by Method SW9014**Batch ID: 217841**

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-12
 Collection Date: 13-Sep-2024 10:40

ANALYTICAL REPORT

WorkOrder:HS24090710
 Lab ID:HS24090710-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 26-Sep-2024		Analyst: JC	
Aluminum	0.00526	J	0.00180	0.0100	mg/L	1	27-Sep-2024 01:04
Antimony	U		0.000400	0.00200	mg/L	1	27-Sep-2024 01:04
Arsenic	U		0.000400	0.00200	mg/L	1	27-Sep-2024 01:04
Barium	0.0337		0.00190	0.00400	mg/L	1	27-Sep-2024 01:04
Beryllium	U		0.000200	0.00200	mg/L	1	27-Sep-2024 01:04
Boron	0.0539		0.0110	0.0200	mg/L	1	27-Sep-2024 11:27
Cadmium	U		0.000200	0.00200	mg/L	1	27-Sep-2024 01:04
Calcium	282		0.680	10.0	mg/L	20	27-Sep-2024 11:28
Chromium	0.000706	J	0.000400	0.00400	mg/L	1	27-Sep-2024 01:04
Cobalt	0.00195	J	0.000200	0.00500	mg/L	1	27-Sep-2024 01:04
Copper	0.00133	J	0.00100	0.00200	mg/L	1	27-Sep-2024 01:04
Iron	U		0.0120	0.200	mg/L	1	27-Sep-2024 01:04
Lead	U		0.000600	0.00200	mg/L	1	27-Sep-2024 01:04
Lithium	0.0172		0.00100	0.00500	mg/L	1	27-Sep-2024 01:04
Magnesium	21.7		0.0100	0.200	mg/L	1	27-Sep-2024 01:04
Manganese	0.00307	J	0.000700	0.00500	mg/L	1	27-Sep-2024 01:04
Molybdenum	0.00428	J	0.000600	0.00500	mg/L	1	27-Sep-2024 01:04
Nickel	0.000998	J	0.000600	0.00200	mg/L	1	27-Sep-2024 01:04
Potassium	1.97		0.0180	0.200	mg/L	1	27-Sep-2024 01:04
Selenium	0.00269		0.00110	0.00200	mg/L	1	27-Sep-2024 01:04
Silver	U		0.000200	0.00200	mg/L	1	27-Sep-2024 01:04
Sodium	21.4		0.0140	0.200	mg/L	1	27-Sep-2024 01:04
Thallium	U		0.000200	0.00200	mg/L	1	27-Sep-2024 01:04
Uranium	0.0102		0.000500	0.00500	mg/L	1	27-Sep-2024 01:04
Vanadium	0.000677	J	0.000600	0.00500	mg/L	1	27-Sep-2024 01:04
Zinc	0.00210	J	0.00200	0.00400	mg/L	1	27-Sep-2024 01:04
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 25-Sep-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	25-Sep-2024 13:12
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	19.9		0.200	0.500	mg/L	1	14-Sep-2024 13:51
Fluoride	0.605		0.0500	0.100	mg/L	1	14-Sep-2024 13:51
Nitrogen, Nitrate (As N)	0.425		0.0300	0.100	mg/L	1	14-Sep-2024 13:51
Nitrogen, Nitrite (As N)	0.0320	J	0.0300	0.100	mg/L	1	14-Sep-2024 13:51
Sulfate	663		4.00	10.0	mg/L	20	14-Sep-2024 13:57
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.644	J	0.300	2.00	mg/L	10	16-Sep-2024 17:43
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	1,100		5.00	10.0	mg/L	1	19-Sep-2024 09:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-12
Collection Date: 13-Sep-2024 10:40

ANALYTICAL REPORT

WorkOrder:HS24090710
Lab ID:HS24090710-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	199		3.00	5.00	mg/L	1	25-Sep-2024 14:38
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	25-Sep-2024 14:38
Alkalinity, Total (As CaCO3)	199		2.50	5.00	mg/L	1	25-Sep-2024 14:38
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.62	H	0.100	0.100	pH Units	1	25-Sep-2024 13:16
Temp Deg C @pH	22.1	H	0	0	°C	1	25-Sep-2024 13:16
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 19-Sep-2024 Analyst: SG	
Cyanide	0.00200	J	0.00200	0.00500	mg/L	1	20-Sep-2024 14:28

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

Weight / Prep Log

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

Batch ID: 217841	Start Date: 19 Sep 2024 08:00	End Date: 19 Sep 2024 08:00
Method: CYANIDE PREP - SW9010C	Prep Code: CN_TW_PR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090710-01		50 (mL)	50 (mL)	1	250 mL plastic, NaOH

Batch ID: 218030	Start Date: 25 Sep 2024 09:00	End Date: 25 Sep 2024 09:00
Method: MERCURY PREP BY 7470A - DISSOLVED	Prep Code: HG_W_DISSPR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090710-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 218076	Start Date: 26 Sep 2024 10:00	End Date: 26 Sep 2024 10:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090710-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 217841 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40		19 Sep 2024 08:00	20 Sep 2024 14:28	1
Batch ID: 218030 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40		25 Sep 2024 09:00	25 Sep 2024 13:12	1
Batch ID: 218076 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40		26 Sep 2024 10:00	27 Sep 2024 11:28	20
HS24090710-01	MW-12	13 Sep 2024 10:40		26 Sep 2024 10:00	27 Sep 2024 11:27	1
HS24090710-01	MW-12	13 Sep 2024 10:40		26 Sep 2024 10:00	27 Sep 2024 01:04	1
Batch ID: R477207 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40			14 Sep 2024 13:57	20
HS24090710-01	MW-12	13 Sep 2024 10:40			14 Sep 2024 13:51	1
Batch ID: R477298 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40			16 Sep 2024 17:43	10
Batch ID: R477619 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40			19 Sep 2024 09:30	1
Batch ID: R478087 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40			25 Sep 2024 13:16	1
Batch ID: R478118 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS24090710-01	MW-12	13 Sep 2024 10:40			25 Sep 2024 14:38	1

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218030 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)						
MBLK	Sample ID: MBLK-218030	Units: mg/L		Analysis Date: 25-Sep-2024 13:06						
Client ID:	Run ID: HG04_478100		SeqNo: 8271443		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	U	0.000200								
LCS	Sample ID: LCS-218030	Units: mg/L		Analysis Date: 25-Sep-2024 13:10						
Client ID:	Run ID: HG04_478100		SeqNo: 8271444		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00506	0.000200	0.005	0	101	80 - 120				
MS	Sample ID: HS24090710-01MS	Units: mg/L		Analysis Date: 25-Sep-2024 13:15						
Client ID: MW-12	Run ID: HG04_478100		SeqNo: 8271446		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00479	0.000200	0.005	0.000008	95.6	80 - 120				
MSD	Sample ID: HS24090710-01MSD	Units: mg/L		Analysis Date: 25-Sep-2024 13:17						
Client ID: MW-12	Run ID: HG04_478100		SeqNo: 8271447		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00481	0.000200	0.005	0.000008	96.0	80 - 120	0.00479	0.417	20	
The following samples were analyzed in this batch: HS24090710-01										

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218076	Units: mg/L		Analysis Date: 27-Sep-2024 11:13					
Client ID:	Run ID: ICPMS06_478312	SeqNo: 8276397		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.003935	0.0100							J
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	0.000682	0.00400							J
Cobalt	U	0.00500							
Copper	U	0.00200							
Iron	U	0.200							
Lead	U	0.00200							
Lithium	U	0.00500							
Magnesium	0.011	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	0.01438	0.200							J
Thallium	0.000842	0.00200							J
Uranium	U	0.00500							
Vanadium	U	0.00500							
Zinc	U	0.00400							

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS	Sample ID: LCS-218076	Units: mg/L			Analysis Date: 27-Sep-2024 00:38				
Client ID:	Run ID: ICPMS06_478194		SeqNo: 8275526		PrepDate: 26-Sep-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.08433	0.0100	0.1	0	84.3	80 - 120			
Antimony	0.04745	0.00200	0.05	0	94.9	80 - 120			
Arsenic	0.0483	0.00200	0.05	0	96.6	80 - 120			
Barium	0.04509	0.00400	0.05	0	90.2	80 - 120			
Beryllium	0.04395	0.00200	0.05	0	87.9	80 - 120			
Cadmium	0.04775	0.00200	0.05	0	95.5	80 - 120			
Calcium	4.653	0.500	5	0	93.1	80 - 120			
Chromium	0.04789	0.00400	0.05	0	95.8	80 - 120			
Cobalt	0.04796	0.00500	0.05	0	95.9	80 - 120			
Copper	0.0491	0.00200	0.05	0	98.2	80 - 120			
Iron	4.933	0.200	5	0	98.7	80 - 120			
Lead	0.04627	0.00200	0.05	0	92.5	80 - 120			
Lithium	0.08505	0.00500	0.1	0	85.0	80 - 120			
Magnesium	4.806	0.200	5	0	96.1	80 - 120			
Manganese	0.04697	0.00500	0.05	0	93.9	80 - 120			
Molybdenum	0.04807	0.00500	0.05	0	96.1	80 - 120			
Nickel	0.04981	0.00200	0.05	0	99.6	80 - 120			
Potassium	4.606	0.200	5	0	92.1	80 - 120			
Selenium	0.04661	0.00200	0.05	0	93.2	80 - 120			
Silver	0.04874	0.00200	0.05	0	97.5	80 - 120			
Sodium	4.902	0.200	5	0	98.0	80 - 120			
Thallium	0.04128	0.00200	0.05	0	82.6	80 - 120			
Uranium	0.08605	0.00500	0.1	0	86.0	80 - 120			
Vanadium	0.04639	0.00500	0.05	0	92.8	80 - 120			
Zinc	0.04888	0.00400	0.05	0	97.8	80 - 120			

LCS	Sample ID: LCS-218076	Units: mg/L			Analysis Date: 27-Sep-2024 11:15				
Client ID:	Run ID: ICPMS06_478312		SeqNo: 8276398		PrepDate: 26-Sep-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.4474	0.0200	0.5	0	89.5	80 - 120			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS	Sample ID: HS24091027-01MS	Units: mg/L			Analysis Date: 27-Sep-2024 00:48				
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8275531		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1314	0.0100	0.1	0.01954	112	75 - 125			
Antimony	0.04803	0.00200	0.05	0.000169	95.7	75 - 125			
Arsenic	0.05893	0.00200	0.05	0.009736	98.4	75 - 125			
Barium	0.1345	0.00400	0.05	0.08868	91.6	75 - 125			
Beryllium	0.04512	0.00200	0.05	0.00002	90.2	75 - 125			
Cadmium	0.0499	0.00200	0.05	-0.00001	99.8	75 - 125			
Calcium	102.2	0.500	5	99.43	56.1	75 - 125			SO
Chromium	0.04871	0.00400	0.05	0.00095	95.5	75 - 125			
Cobalt	0.0473	0.00500	0.05	0.000215	94.2	75 - 125			
Copper	0.04842	0.00200	0.05	0.000989	94.9	75 - 125			
Iron	4.851	0.200	5	0.02671	96.5	75 - 125			
Lead	0.04474	0.00200	0.05	0.000055	89.4	75 - 125			
Lithium	0.1202	0.00500	0.1	0.03634	83.8	75 - 125			
Magnesium	25.17	0.200	5	20.35	96.3	75 - 125			O
Manganese	0.04936	0.00500	0.05	0.003264	92.2	75 - 125			
Molybdenum	0.04873	0.00500	0.05	0.001426	94.6	75 - 125			
Nickel	0.05056	0.00200	0.05	0.002384	96.3	75 - 125			
Potassium	7.57	0.200	5	3.087	89.7	75 - 125			
Selenium	0.04736	0.00200	0.05	0.001039	92.6	75 - 125			
Silver	0.04633	0.00200	0.05	0.000014	92.6	75 - 125			
Sodium	60.41	0.200	5	55.16	105	75 - 125			O
Thallium	0.04077	0.00200	0.05	0.000087	81.4	75 - 125			
Uranium	0.09683	0.00500	0.1	0.009957	86.9	75 - 125			
Vanadium	0.0982	0.00500	0.05	0.0507	95.0	75 - 125			
Zinc	0.05036	0.00400	0.05	0.003303	94.1	75 - 125			

MS	Sample ID: HS24091027-01MS	Units: mg/L			Analysis Date: 27-Sep-2024 11:21				
Client ID:	Run ID: ICPMS06_478312	SeqNo: 8276401		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.6789	0.0200	0.5	0.269	82.0	75 - 125			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD	Sample ID: HS24091027-01MSD	Units: mg/L			Analysis Date: 27-Sep-2024 00:50				
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8275532		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.1335	0.0100	0.1	0.01954	114	75 - 125	0.1314	1.63	20
Antimony	0.0508	0.00200	0.05	0.000169	101	75 - 125	0.04803	5.61	20
Arsenic	0.0621	0.00200	0.05	0.009736	105	75 - 125	0.05893	5.24	20
Barium	0.1391	0.00400	0.05	0.08868	101	75 - 125	0.1345	3.41	20
Beryllium	0.04734	0.00200	0.05	0.00002	94.6	75 - 125	0.04512	4.81	20
Cadmium	0.05171	0.00200	0.05	-0.00001	103	75 - 125	0.0499	3.56	20
Calcium	107.9	0.500	5	99.43	170	75 - 125	102.2	5.44	20 SO
Chromium	0.05136	0.00400	0.05	0.00095	101	75 - 125	0.04871	5.3	20
Cobalt	0.05022	0.00500	0.05	0.000215	100	75 - 125	0.0473	5.99	20
Copper	0.05188	0.00200	0.05	0.000989	102	75 - 125	0.04842	6.89	20
Iron	5.078	0.200	5	0.02671	101	75 - 125	4.851	4.57	20
Lead	0.048	0.00200	0.05	0.000055	95.9	75 - 125	0.04474	7.04	20
Lithium	0.128	0.00500	0.1	0.03634	91.7	75 - 125	0.1202	6.31	20
Magnesium	26.6	0.200	5	20.35	125	75 - 125	25.17	5.54	20 O
Manganese	0.05234	0.00500	0.05	0.003264	98.1	75 - 125	0.04936	5.85	20
Molybdenum	0.05033	0.00500	0.05	0.001426	97.8	75 - 125	0.04873	3.23	20
Nickel	0.05345	0.00200	0.05	0.002384	102	75 - 125	0.05056	5.56	20
Potassium	7.903	0.200	5	3.087	96.3	75 - 125	7.57	4.3	20
Selenium	0.0501	0.00200	0.05	0.001039	98.1	75 - 125	0.04736	5.63	20
Silver	0.04782	0.00200	0.05	0.000014	95.6	75 - 125	0.04633	3.16	20
Sodium	64.06	0.200	5	55.16	178	75 - 125	60.41	5.86	20 SO
Thallium	0.0427	0.00200	0.05	0.000087	85.2	75 - 125	0.04077	4.62	20
Uranium	0.1009	0.00500	0.1	0.009957	90.9	75 - 125	0.09683	4.11	20
Vanadium	0.1034	0.00500	0.05	0.0507	105	75 - 125	0.0982	5.13	20
Zinc	0.05519	0.00400	0.05	0.003303	104	75 - 125	0.05036	9.16	20

MSD	Sample ID: HS24091027-01MSD	Units: mg/L			Analysis Date: 27-Sep-2024 11:23				
Client ID:	Run ID: ICPMS06_478312	SeqNo: 8276402		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Boron	0.6962	0.0200	0.5	0.269	85.4	75 - 125	0.7631	9.18	20

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS24091027-01PDS		Units: mg/L		Analysis Date: 27-Sep-2024 00:52			
Client ID:		Run ID: ICPMS06_478194		SeqNo: 8275533		PrepDate: 26-Sep-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1105	0.0100	0.1	0.01954	91.0	75 - 125			
Antimony	0.09798	0.00200	0.1	0.000169	97.8	75 - 125			
Arsenic	0.1103	0.00200	0.1	0.009736	101	75 - 125			
Barium	0.2064	0.00400	0.1	0.08868	118	75 - 125			
Cadmium	0.1004	0.00200	0.1	-0.00001	100	75 - 125			
Calcium	108.2	0.500	10	99.43	87.3	75 - 125			O
Chromium	0.09863	0.00400	0.1	0.00095	97.7	75 - 125			
Cobalt	0.09617	0.00500	0.1	0.000215	96.0	75 - 125			
Copper	0.09901	0.00200	0.1	0.000989	98.0	75 - 125			
Iron	9.907	0.200	10	0.02671	98.8	75 - 125			
Lead	0.1031	0.00200	0.1	0.000055	103	75 - 125			
Magnesium	29.92	0.200	10	20.35	95.7	75 - 125			
Manganese	0.0984	0.00500	0.1	0.003264	95.1	75 - 125			
Molybdenum	0.1048	0.00500	0.1	0.001426	103	75 - 125			
Nickel	0.09997	0.00200	0.1	0.002384	97.6	75 - 125			
Potassium	12.3	0.200	10	3.087	92.1	75 - 125			
Selenium	0.09559	0.00200	0.1	0.001039	94.6	75 - 125			
Silver	0.1059	0.00200	0.1	0.000014	106	75 - 125			
Sodium	65.82	0.200	10	55.16	107	75 - 125			O
Thallium	0.09639	0.00200	0.1	0.000087	96.3	75 - 125			
Vanadium	0.1477	0.00500	0.1	0.0507	97.0	75 - 125			
Zinc	0.09932	0.00400	0.1	0.003303	96.0	75 - 125			
PDS		Sample ID: HS24091027-01PDS		Units: mg/L		Analysis Date: 27-Sep-2024 11:25			
Client ID:		Run ID: ICPMS06_478312		SeqNo: 8276403		PrepDate: 26-Sep-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	0.496	0.0200	0.2	0.269	113	75 - 125			

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24090710

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD	Sample ID: HS24091027-01SD		Units: mg/L		Analysis Date: 27-Sep-2024 00:46				
Client ID:	Run ID: ICPMS06_478194		SeqNo: 8275530		PrepDate: 26-Sep-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	0.0181	0.0500					0.01954	0 10	J
Antimony	U	0.0100					0.000169	0 10	
Arsenic	0.009953	0.0100					0.009736	0 10	J
Barium	0.0903	0.0200					0.08868	1.83 10	
Beryllium	U	0.0100					0.00002	0 10	
Cadmium	U	0.0100					-0.00001	0 10	
Calcium	103.1	2.50					99.43	3.71 10	
Chromium	U	0.0200					0.00095	0 10	
Cobalt	U	0.0250					0.000215	0 10	
Copper	U	0.0100					0.000989	0 10	
Iron	U	1.00					0.02671	0 10	
Lead	U	0.0100					0.000055	0 10	
Lithium	0.03924	0.0250					0.03634	7.99 10	
Magnesium	22.21	1.00					20.35	9.13 10	
Manganese	0.003789	0.0250					0.003264	0 10	J
Molybdenum	U	0.0250					0.001426	0 10	
Nickel	0.003093	0.0100					0.002384	0 10	J
Potassium	3.21	1.00					3.087	3.99 10	
Selenium	U	0.0100					0.001039	0 10	
Silver	U	0.0100					0.000014	0 10	
Sodium	59.47	1.00					55.16	7.82 10	
Thallium	U	0.0100					0.000087	0 10	
Uranium	0.00993	0.0250					0.009957	0 10	J
Vanadium	0.05333	0.0250					0.0507	5.19 10	
Zinc	U	0.0200					0.003303	0 10	

SD	Sample ID: HS24091027-01SD		Units: mg/L		Analysis Date: 27-Sep-2024 11:19				
Client ID:	Run ID: ICPMS06_478312		SeqNo: 8276400		PrepDate: 26-Sep-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Boron	0.2499	0.100					0.269	7.09 10	

The following samples were analyzed in this batch:

HS24090710-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: 217841 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014						
MBLK	Sample ID: MBLK-217841	Units: mg/L		Analysis Date: 20-Sep-2024 14:28						
Client ID:	Run ID: UV-2450_477737		SeqNo: 8263299		PrepDate: 19-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Cyanide	U	0.00500								
LCS	Sample ID: LCS-217841	Units: mg/L		Analysis Date: 20-Sep-2024 14:28						
Client ID:	Run ID: UV-2450_477737		SeqNo: 8263298		PrepDate: 19-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Cyanide	0.184	0.00500	0.2	0	92.0	80 - 120				
MS	Sample ID: HS24090642-01MS	Units: mg/L		Analysis Date: 20-Sep-2024 14:28						
Client ID:	Run ID: UV-2450_477737		SeqNo: 8263296		PrepDate: 19-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Cyanide	0.186	0.00500	0.2	0.005	90.5	80 - 120				
MSD	Sample ID: HS24090642-01MSD	Units: mg/L		Analysis Date: 20-Sep-2024 14:28						
Client ID:	Run ID: UV-2450_477737		SeqNo: 8263297		PrepDate: 19-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Cyanide	0.183	0.00500	0.2	0.005	89.0	80 - 120	0.186	1.63	20	
The following samples were analyzed in this batch: HS24090710-01										

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R477207 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 14-Sep-2024 09:01					
Client ID:	Run ID: ICS-Integrion_477207		SeqNo: 8252538		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							
Nitrogen, Nitrate (As N)	U	0.100							
Nitrogen, Nitrite (As N)	U	0.100							
Sulfate	U	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 14-Sep-2024 09:13					
Client ID:	Run ID: ICS-Integrion_477207		SeqNo: 8252539		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	21.13	0.500	20	0	106	90 - 110			
Fluoride	4.263	0.100	4	0	107	90 - 110			
Nitrogen, Nitrate (As N)	4.179	0.100	4	0	104	90 - 110			
Nitrogen, Nitrite (As N)	4.232	0.100	4	0	106	90 - 110			
Sulfate	20.52	0.500	20	0	103	90 - 110			

MS	Sample ID: HS24090586-06MS	Units: mg/L		Analysis Date: 14-Sep-2024 11:23					
Client ID:	Run ID: ICS-Integrion_477207		SeqNo: 8252550		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	26.09	0.500	10	16.42	96.7	80 - 120			
Fluoride	2.451	0.100	2	0.3369	106	80 - 120			
Nitrogen, Nitrate (As N)	3.135	0.100	2	1.142	99.6	80 - 120			
Nitrogen, Nitrite (As N)	2.016	0.100	2	0.1161	95.0	80 - 120			
Sulfate	40.35	0.500	10	31.73	86.1	80 - 120			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R477207 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MS		Sample ID: HS24090586-02MS		Units: mg/L		Analysis Date: 14-Sep-2024 10:24			
Client ID:		Run ID: ICS-Integrion_477207		SeqNo: 8252542		PrepDate:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	472.9	10.0	200	273	100.0	80 - 120			
Fluoride	36.67	2.00	40	1.86	87.0	80 - 120			
Nitrogen, Nitrate (As N)	38.4	2.00	40	0.668	94.3	80 - 120			
Nitrogen, Nitrite (As N)	39.44	2.00	40	0.632	97.0	80 - 120			
Sulfate	856.1	10.0	200	654.3	101	80 - 120			

MSD		Sample ID: HS24090586-06MSD		Units: mg/L		Analysis Date: 14-Sep-2024 11:29			
Client ID:		Run ID: ICS-Integrion_477207		SeqNo: 8252551		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	26.11	0.500	10	16.42	97.0	80 - 120	26.09	0.0843	20
Fluoride	2.449	0.100	2	0.3369	106	80 - 120	2.451	0.0898	20
Nitrogen, Nitrate (As N)	3.147	0.100	2	1.142	100	80 - 120	3.135	0.379	20
Nitrogen, Nitrite (As N)	2.021	0.100	2	0.1161	95.2	80 - 120	2.016	0.253	20
Sulfate	40.37	0.500	10	31.73	86.3	80 - 120	40.35	0.0496	20

MSD		Sample ID: HS24090586-02MSD		Units: mg/L		Analysis Date: 14-Sep-2024 10:30			
Client ID:		Run ID: ICS-Integrion_477207		SeqNo: 8252543		PrepDate:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	484.3	10.0	200	273	106	80 - 120	472.9	2.38	20
Fluoride	38.15	2.00	40	1.86	90.7	80 - 120	36.67	3.98	20
Nitrogen, Nitrate (As N)	39.32	2.00	40	0.668	96.6	80 - 120	38.4	2.35	20
Nitrogen, Nitrite (As N)	40.44	2.00	40	0.632	99.5	80 - 120	39.44	2.52	20
Sulfate	876	10.0	200	654.3	111	80 - 120	856.1	2.29	20

The following samples were analyzed in this batch: HS24090710-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R477298 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 16-Sep-2024 16:55					
Client ID:	Run ID: ICS-Integrion_477298		SeqNo: 8254569		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: 16-Sep-2024 17:07					
Client ID:	Run ID: ICS-Integrion_477298		SeqNo: 8254570		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)	8.736	0.200	8	0	109	90 - 110			

MS	Sample ID: HS24090712-01MS	Units: mg/L		Analysis Date: 16-Sep-2024 18:06					
Client ID:	Run ID: ICS-Integrion_477298		SeqNo: 8254577		PrepDate:		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N)	83.41	4.00	80	2.982	101	80 - 120			

MS	Sample ID: HS24090710-01MS	Units: mg/L		Analysis Date: 16-Sep-2024 17:48					
Client ID: MW-12	Run ID: ICS-Integrion_477298		SeqNo: 8254574		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)	39.19	2.00	40	0.644	96.4	80 - 120			

MSD	Sample ID: HS24090712-01MSD	Units: mg/L		Analysis Date: 16-Sep-2024 18:12					
Client ID:	Run ID: ICS-Integrion_477298		SeqNo: 8254578		PrepDate:		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrate/Nitrite (as N)	85.27	4.00	80	2.982	103	80 - 120	83.41	2.2	20

MSD	Sample ID: HS24090710-01MSD	Units: mg/L		Analysis Date: 16-Sep-2024 17:54					
Client ID: MW-12	Run ID: ICS-Integrion_477298		SeqNo: 8254575		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)	40.87	2.00	40	0.644	101	80 - 120	39.19	4.19	20

The following samples were analyzed in this batch: HS24090710-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R477619 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-09192024	Units: mg/L		Analysis Date: 19-Sep-2024 09:30						
Client ID:	Run ID: Balance1_477619	SeqNo: 8260973		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-09192024	Units: mg/L		Analysis Date: 19-Sep-2024 09:30						
Client ID:	Run ID: Balance1_477619	SeqNo: 8260972		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)		920	10.0	1000	0	92.0	85 - 115			
DUP	Sample ID: HS24090834-01 DUP	Units: mg/L		Analysis Date: 19-Sep-2024 09:30						
Client ID:	Run ID: Balance1_477619	SeqNo: 8260963		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)		1240	10.0				1170	5.81	20	
DUP	Sample ID: HS24090757-03 DUP	Units: mg/L		Analysis Date: 19-Sep-2024 09:30						
Client ID:	Run ID: Balance1_477619	SeqNo: 8260958		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)		1630	10.0				1570	3.75	20	
The following samples were analyzed in this batch:		HS24090710-01								

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R478087 (0)		Instrument: WetChem_HS		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS24090937-06DUP		Units: pH Units		Analysis Date: 25-Sep-2024 13:19				
Client ID:	Run ID: WetChem_HS_478087		SeqNo: 8271247		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	10.56	0.100					10.55	0.0947	10
Temp Deg C @pH	22.1	0					22	0.454	10
The following samples were analyzed in this batch: HS24090710-01									

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

QC BATCH REPORT

Batch ID: R478118 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-09252024	Units: mg/L		Analysis Date: 25-Sep-2024 12:52					
Client ID:	Run ID: Skalar 03_478118	SeqNo: 8271783		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-09252024	Units: mg/L		Analysis Date: 25-Sep-2024 12:58					
Client ID:	Run ID: Skalar 03_478118	SeqNo: 8271784		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)	940.2	5.00	1000	0	94.0	85 - 115			
Alkalinity, Total (As CaCO3)	948.1	5.00	1000	0	94.8	85 - 115			

LCSD	Sample ID: LCSD-09252024	Units: mg/L		Analysis Date: 25-Sep-2024 13:04					
Client ID:	Run ID: Skalar 03_478118	SeqNo: 8271774		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)	940.8	5.00	1000	0	94.1	85 - 115	940.2	0.0638	20
Alkalinity, Total (As CaCO3)	947.5	5.00	1000	0	94.8	85 - 115	948.1	0.0633	20

DUP	Sample ID: HS24090634-01DUP	Units: mg/L		Analysis Date: 25-Sep-2024 13:37					
Client ID:	Run ID: Skalar 03_478118	SeqNo: 8271780		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)	596.2	5.00					609.7	2.24	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	596.2	5.00					609.7	2.24	20

The following samples were analyzed in this batch: HS24090710-01

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24090710

**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
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24090710

Date/Time Received: 14-Sep-2024 09:20

Client Name: Telesto

Received by: Kaycee Rogers

Completed By: /S/ Kaycee Rogers	14-Sep-2024 10:27	Reviewed by: /S/ Anna Kinchen	16-Sep-2024 10:14
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

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 ☐	COC IDs:323776
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):	1.3UC/1.3C IR 34		
Cooler(s)/Kit(s):	BLUE		
Date/Time sample(s) sent to storage:	09/14/2024 1027		
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:



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page of

COC ID: **323776**

HS24090710

Teleso Solutions Inc

Knox Pit



ALS Project Manager:

Customer Information		Project Information		
Purchase Order		Project Name	Knox Pit	A 300_W (Cl, F, *NO2*, *NO3* SO4)
Work Order		Project Number		B ALK_W 2320E (Alkalinity)
Company Name	Teleso Solutions Inc	Bill To Company	Teleso Solutions Inc	C PH_W M4500H+B (pH)
Send Report To	Tim Gerken	Invoice Attn	Tim Gerken	D TDS_W 2540C (TDS)
Address	750 14th Street	Address	750 14th Street	E 300_W Nitrate/Nitrite (NO2+NO3 as N)
				F CN_TW 9014 (Total CN)
City/State/Zip	Loveland, CO 80537	City/State/Zip	Loveland CO 80537	G ICP_DISS (Dissolved 26 Metals + Hg) (Field Filtered)
Phone	(970) 484-77	Phone	(970) 484-77	H
Fax		Fax		I
e-Mail Address	gerken@teleso-inc.com	e-Mail Address	gerken@teleso-inc.com	J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-12	9/13/2024	10:40	W	2.3.4	4	X	X	X	X	X	X	X				
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time (Check Box)		Results Due Date:	
<i>Tracy C. Gerken</i> Relinquished by: <i>Tracy C. Gerken</i> Relinquished Date: <i>9/13/2024</i> Time: <i>14:17</i> Relinquished by: <i>Kaycee Rogers</i> Relinquished Date: <i>9/13/2024</i> Time: <i>16:00</i> Logged by (Laboratory): <i>Kaycee Rogers</i> Date: <i>9/14/24</i> Time: <i>9:20</i>				☒ 8-10 wk Days ☐ 5-7 Days ☐ 2 Wk Days ☐ 24 Hour			
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-H ₂ S ₂ O ₅ 6-H ₂ SO ₄ 7-Other 8-4°C 9-5025		Received by: <i>Kaycee Rogers</i> Received by (Laboratory): <i>Kaycee Rogers</i> Checked by (Laboratory): <i>Kaycee Rogers</i>		Notes: Teleso General Pricing Cooler ID: <i>Blue</i> Cooler Temp.: <i>2.3</i> CC Packages: (Check One Box Below) ☒ Level I Sol QP ☐ TRRP Cleanroom ☐ Level III Sol CC/Flow Data ☐ TRRP Level IV ☐ Level IV Sol/8400 EP ☐ Other:			

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. This Chain of Custody is a legal document. All information must be provided accurately.

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ORIGIN ID:GMV (970) 303-1648
XAREN CRAVEN
ALS
965 E 11TH ST
LOVELAND, CO 80537
UNITED STATES 'US

SHIP DATE: 13SEP24
ACTWGT: 49.50 LB
CAD: 0760458/CAFE3808
DIMS: 24x11x13 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
ALS HOUSTON
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

(281) 530-6666
PO: 987654812



TRK# 7122 926 26
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO SGRA

77099
TX-US IAH





10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 09, 2024

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

Work Order: **HS24091253**

Laboratory Results for: **Knox Pit**

Dear Tim Gerken,

ALS Environmental received 6 sample(s) on Sep 25, 2024 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: DAYNA.FISHER

Anna Kinchen
Project Manager

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24091253

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24091253-01	MW-13	Water		24-Sep-2024 09:37	25-Sep-2024 10:10	☐
HS24091253-02	MW-10	Water		24-Sep-2024 10:50	25-Sep-2024 10:10	☐
HS24091253-03	02-MW-10	Water		24-Sep-2024 10:51	25-Sep-2024 10:10	☐
HS24091253-04	MW-06	Water		24-Sep-2024 11:45	25-Sep-2024 10:10	☐
HS24091253-05	03-Blank	Water		24-Sep-2024 11:34	25-Sep-2024 10:10	☐
HS24091253-06	MW-19	Water		24-Sep-2024 13:10	25-Sep-2024 10:10	☐

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24091253

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: 218755**

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

Metals by Method SW6020A**Batch ID: 218659****Sample ID: HS24100195-01MS**

- MS/MSD and DUPs are for an unrelated sample

WetChemistry by Method SM2320B**Batch ID: R479342,R479359**

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

WetChemistry by Method SM4500H+ B**Batch ID: R478771**

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

WetChemistry by Method M2540C**Batch ID: R478689**

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

WetChemistry by Method E300**Batch ID: R478734****Sample ID: 03-Blank (HS24091253-05)**

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

Sample ID: MW-13 (HS24091253-01)

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

Sample ID: MW-19 (HS24091253-06)

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

Batch ID: R478140

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

Client: Telesto Solutions Inc
Project: Knox Pit
Work Order: HS24091253

CASE NARRATIVE

WetChemistry by Method SW9014

Batch ID: 218379

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
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Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-13
 Collection Date: 24-Sep-2024 09:37

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00782	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:33
Antimony	0.000418	J	0.000400	0.00200	mg/L	1	08-Oct-2024 19:33
Arsenic	0.000508	J	0.000400	0.00200	mg/L	1	08-Oct-2024 19:33
Barium	0.183		0.00190	0.00400	mg/L	1	08-Oct-2024 19:33
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:33
Boron	0.0785		0.0110	0.0200	mg/L	1	08-Oct-2024 19:33
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:33
Calcium	218		0.680	10.0	mg/L	20	09-Oct-2024 11:11
Chromium	0.000525	J	0.000400	0.00400	mg/L	1	08-Oct-2024 19:33
Cobalt	0.00103	J	0.000200	0.00500	mg/L	1	08-Oct-2024 19:33
Copper	0.00143	J	0.00100	0.00200	mg/L	1	08-Oct-2024 19:33
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:33
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:33
Lithium	0.0148		0.00100	0.00500	mg/L	1	08-Oct-2024 19:33
Magnesium	26.2		0.0100	0.200	mg/L	1	08-Oct-2024 19:33
Manganese	0.00132	J	0.000700	0.00500	mg/L	1	08-Oct-2024 19:33
Molybdenum	0.00137	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:33
Nickel	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:33
Potassium	2.47		0.0180	0.200	mg/L	1	08-Oct-2024 19:33
Selenium	0.00231		0.00110	0.00200	mg/L	1	08-Oct-2024 19:33
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:33
Sodium	24.7		0.0140	0.200	mg/L	1	08-Oct-2024 19:33
Thallium	0.000539	J	0.000200	0.00200	mg/L	1	08-Oct-2024 19:33
Uranium	0.0112		0.000500	0.00500	mg/L	1	08-Oct-2024 19:33
Vanadium	0.000946	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:33
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:33
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:21
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	17.5		0.200	0.500	mg/L	1	25-Sep-2024 20:51
Fluoride	0.225		0.0500	0.100	mg/L	1	25-Sep-2024 20:51
Nitrogen, Nitrate (As N)	0.507		0.0300	0.100	mg/L	1	25-Sep-2024 20:51
Nitrogen, Nitrite (As N)	0.0677	J	0.0300	0.100	mg/L	1	25-Sep-2024 20:51
Sulfate	461		2.00	5.00	mg/L	10	25-Sep-2024 20:57
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.665	J	0.300	2.00	mg/L	10	01-Oct-2024 18:25
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	874		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-13
Collection Date: 24-Sep-2024 09:37

ANALYTICAL REPORT
WorkOrder:HS24091253
Lab ID:HS24091253-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	289		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Total (As CaCO3)	289		2.50	5.00	mg/L	1	08-Oct-2024 15:23
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.86	H	0.100	0.100	pH Units	1	02-Oct-2024 09:34
Temp Deg C @pH	23.0	H	0	0	°C	1	02-Oct-2024 09:34
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-10
 Collection Date: 24-Sep-2024 10:50

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-02
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00690	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:35
Antimony	0.000426	J	0.000400	0.00200	mg/L	1	08-Oct-2024 19:35
Arsenic	0.000488	J	0.000400	0.00200	mg/L	1	08-Oct-2024 19:35
Barium	0.0324		0.00190	0.00400	mg/L	1	08-Oct-2024 19:35
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:35
Boron	0.0402		0.0110	0.0200	mg/L	1	08-Oct-2024 19:35
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:35
Calcium	176		0.0340	0.500	mg/L	1	08-Oct-2024 19:35
Chromium	U		0.000400	0.00400	mg/L	1	08-Oct-2024 19:35
Cobalt	0.000706	J	0.000200	0.00500	mg/L	1	08-Oct-2024 19:35
Copper	0.00233		0.00100	0.00200	mg/L	1	08-Oct-2024 19:35
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:35
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:35
Lithium	0.0194		0.00100	0.00500	mg/L	1	08-Oct-2024 19:35
Magnesium	10.8		0.0100	0.200	mg/L	1	08-Oct-2024 19:35
Manganese	0.00310	J	0.000700	0.00500	mg/L	1	08-Oct-2024 19:35
Molybdenum	0.00416	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:35
Nickel	0.000632	J	0.000600	0.00200	mg/L	1	08-Oct-2024 19:35
Potassium	4.45		0.0180	0.200	mg/L	1	08-Oct-2024 19:35
Selenium	0.0309		0.00110	0.00200	mg/L	1	08-Oct-2024 19:35
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:35
Sodium	9.68		0.0140	0.200	mg/L	1	08-Oct-2024 19:35
Thallium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:35
Uranium	0.0138		0.000500	0.00500	mg/L	1	08-Oct-2024 19:35
Vanadium	0.00152	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:35
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:35
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:26
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	8.27		0.200	0.500	mg/L	1	25-Sep-2024 21:03
Fluoride	0.642		0.0500	0.100	mg/L	1	25-Sep-2024 21:03
Nitrogen, Nitrate (As N)	8.06		0.0300	0.100	mg/L	1	25-Sep-2024 21:03
Nitrogen, Nitrite (As N)	0.104		0.0300	0.100	mg/L	1	25-Sep-2024 21:03
Sulfate	304		2.00	5.00	mg/L	10	25-Sep-2024 21:09
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	8.09		0.300	2.00	mg/L	10	01-Oct-2024 18:42
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	654		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-10
Collection Date: 24-Sep-2024 10:50

ANALYTICAL REPORT

WorkOrder:HS24091253
Lab ID:HS24091253-02
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	269		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Total (As CaCO3)	269		2.50	5.00	mg/L	1	08-Oct-2024 15:23
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.75	H	0.100	0.100	pH Units	1	02-Oct-2024 09:37
Temp Deg C @pH	22.9	H	0	0	°C	1	02-Oct-2024 09:37
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: 02-MW-10
 Collection Date: 24-Sep-2024 10:51

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-03
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00769	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:37
Antimony	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:37
Arsenic	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:37
Barium	0.0311		0.00190	0.00400	mg/L	1	08-Oct-2024 19:37
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:37
Boron	0.0391		0.0110	0.0200	mg/L	1	08-Oct-2024 19:37
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:37
Calcium	175		0.0340	0.500	mg/L	1	08-Oct-2024 19:37
Chromium	U		0.000400	0.00400	mg/L	1	08-Oct-2024 19:37
Cobalt	0.000567	J	0.000200	0.00500	mg/L	1	08-Oct-2024 19:37
Copper	0.00226		0.00100	0.00200	mg/L	1	08-Oct-2024 19:37
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:37
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:37
Lithium	0.0192		0.00100	0.00500	mg/L	1	08-Oct-2024 19:37
Magnesium	10.6		0.0100	0.200	mg/L	1	08-Oct-2024 19:37
Manganese	0.00276	J	0.000700	0.00500	mg/L	1	08-Oct-2024 19:37
Molybdenum	0.00419	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:37
Nickel	0.000823	J	0.000600	0.00200	mg/L	1	08-Oct-2024 19:37
Potassium	4.33		0.0180	0.200	mg/L	1	08-Oct-2024 19:37
Selenium	0.0303		0.00110	0.00200	mg/L	1	08-Oct-2024 19:37
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:37
Sodium	9.55		0.0140	0.200	mg/L	1	08-Oct-2024 19:37
Thallium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:37
Uranium	0.0132		0.000500	0.00500	mg/L	1	08-Oct-2024 19:37
Vanadium	0.00148	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:37
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:37
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:28
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	8.26		0.200	0.500	mg/L	1	25-Sep-2024 21:14
Fluoride	0.650		0.0500	0.100	mg/L	1	25-Sep-2024 21:14
Nitrogen, Nitrate (As N)	8.08		0.0300	0.100	mg/L	1	25-Sep-2024 21:14
Nitrogen, Nitrite (As N)	0.105		0.0300	0.100	mg/L	1	25-Sep-2024 21:14
Sulfate	304		2.00	5.00	mg/L	10	25-Sep-2024 21:20
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	8.01		0.300	2.00	mg/L	10	01-Oct-2024 18:48
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	628		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: 02-MW-10
Collection Date: 24-Sep-2024 10:51

ANALYTICAL REPORT
WorkOrder:HS24091253
Lab ID:HS24091253-03
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	264		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 15:23
Alkalinity, Total (As CaCO3)	264		2.50	5.00	mg/L	1	08-Oct-2024 15:23
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.77	H	0.100	0.100	pH Units	1	02-Oct-2024 09:39
Temp Deg C @pH	22.9	H	0	0	°C	1	02-Oct-2024 09:39
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-06
 Collection Date: 24-Sep-2024 11:45

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-04
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00722	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:39
Antimony	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:39
Arsenic	0.000611	J	0.000400	0.00200	mg/L	1	08-Oct-2024 19:39
Barium	0.0280		0.00190	0.00400	mg/L	1	08-Oct-2024 19:39
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:39
Boron	0.0587		0.0110	0.0200	mg/L	1	08-Oct-2024 19:39
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:39
Calcium	223		0.680	10.0	mg/L	20	09-Oct-2024 11:13
Chromium	U		0.000400	0.00400	mg/L	1	08-Oct-2024 19:39
Cobalt	0.000947	J	0.000200	0.00500	mg/L	1	08-Oct-2024 19:39
Copper	0.00412		0.00100	0.00200	mg/L	1	08-Oct-2024 19:39
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:39
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:39
Lithium	0.0157		0.00100	0.00500	mg/L	1	08-Oct-2024 19:39
Magnesium	11.5		0.0100	0.200	mg/L	1	08-Oct-2024 19:39
Manganese	0.00155	J	0.000700	0.00500	mg/L	1	08-Oct-2024 19:39
Molybdenum	0.00947		0.000600	0.00500	mg/L	1	08-Oct-2024 19:39
Nickel	0.00157	J	0.000600	0.00200	mg/L	1	08-Oct-2024 19:39
Potassium	5.44		0.0180	0.200	mg/L	1	08-Oct-2024 19:39
Selenium	0.00370		0.00110	0.00200	mg/L	1	08-Oct-2024 19:39
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:39
Sodium	8.07		0.0140	0.200	mg/L	1	08-Oct-2024 19:39
Thallium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:39
Uranium	0.0130		0.000500	0.00500	mg/L	1	08-Oct-2024 19:39
Vanadium	0.00138	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:39
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:39
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:30
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	8.85		0.200	0.500	mg/L	1	25-Sep-2024 21:26
Fluoride	0.776		0.0500	0.100	mg/L	1	25-Sep-2024 21:26
Nitrogen, Nitrate (As N)	4.62		0.0300	0.100	mg/L	1	25-Sep-2024 21:26
Nitrogen, Nitrite (As N)	0.0806	J	0.0300	0.100	mg/L	1	25-Sep-2024 21:26
Sulfate	381		2.00	5.00	mg/L	10	25-Sep-2024 21:32
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	4.45		0.300	2.00	mg/L	10	01-Oct-2024 18:54
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	710		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-06
Collection Date: 24-Sep-2024 11:45

ANALYTICAL REPORT
WorkOrder:HS24091253
Lab ID:HS24091253-04
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	252		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Total (As CaCO3)	252		2.50	5.00	mg/L	1	08-Oct-2024 16:07
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	7.74	H	0.100	0.100	pH Units	1	02-Oct-2024 09:42
Temp Deg C @pH	22.9	H	0	0	°C	1	02-Oct-2024 09:42
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: 03-Blank
 Collection Date: 24-Sep-2024 11:34

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-05
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00803	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:41
Antimony	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:41
Arsenic	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:41
Barium	U		0.00190	0.00400	mg/L	1	08-Oct-2024 19:41
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:41
Boron	U		0.0110	0.0200	mg/L	1	08-Oct-2024 19:41
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:41
Calcium	0.0362	J	0.0340	0.500	mg/L	1	08-Oct-2024 19:41
Chromium	U		0.000400	0.00400	mg/L	1	08-Oct-2024 19:41
Cobalt	U		0.000200	0.00500	mg/L	1	08-Oct-2024 19:41
Copper	U		0.00100	0.00200	mg/L	1	08-Oct-2024 19:41
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:41
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:41
Lithium	U		0.00100	0.00500	mg/L	1	08-Oct-2024 19:41
Magnesium	0.0212	J	0.0100	0.200	mg/L	1	08-Oct-2024 19:41
Manganese	U		0.000700	0.00500	mg/L	1	08-Oct-2024 19:41
Molybdenum	U		0.000600	0.00500	mg/L	1	08-Oct-2024 19:41
Nickel	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:41
Potassium	U		0.0180	0.200	mg/L	1	08-Oct-2024 19:41
Selenium	U		0.00110	0.00200	mg/L	1	08-Oct-2024 19:41
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:41
Sodium	0.0377	J	0.0140	0.200	mg/L	1	08-Oct-2024 19:41
Thallium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:41
Uranium	U		0.000500	0.00500	mg/L	1	08-Oct-2024 19:41
Vanadium	U		0.000600	0.00500	mg/L	1	08-Oct-2024 19:41
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:41
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:31
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	U		0.200	0.500	mg/L	1	25-Sep-2024 22:07
Fluoride	U		0.0500	0.100	mg/L	1	25-Sep-2024 22:07
Nitrogen, Nitrate (As N)	0.0322	J	0.0300	0.100	mg/L	1	25-Sep-2024 22:07
Nitrogen, Nitrite (As N)	U		0.0300	0.100	mg/L	1	25-Sep-2024 22:07
Sulfate	U		0.200	0.500	mg/L	1	25-Sep-2024 22:07
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	01-Oct-2024 19:00
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	86.0		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: 03-Blank
Collection Date: 24-Sep-2024 11:34

ANALYTICAL REPORT

WorkOrder:HS24091253
Lab ID:HS24091253-05
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	86.8		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Total (As CaCO3)	86.8		2.50	5.00	mg/L	1	08-Oct-2024 16:07
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	5.45	H	0.100	0.100	pH Units	1	02-Oct-2024 09:44
Temp Deg C @pH	22.9	H	0	0	°C	1	02-Oct-2024 09:44
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Client: Telesto Solutions Inc
 Project: Knox Pit
 Sample ID: MW-19
 Collection Date: 24-Sep-2024 13:10

ANALYTICAL REPORT

WorkOrder:HS24091253
 Lab ID:HS24091253-06
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024		Analyst: JC	
Aluminum	0.00900	J	0.00180	0.0100	mg/L	1	08-Oct-2024 19:43
Antimony	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:43
Arsenic	U		0.000400	0.00200	mg/L	1	08-Oct-2024 19:43
Barium	0.0255		0.00190	0.00400	mg/L	1	08-Oct-2024 19:43
Beryllium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:43
Boron	0.0125	J	0.0110	0.0200	mg/L	1	08-Oct-2024 19:43
Cadmium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:43
Calcium	32.7		0.0340	0.500	mg/L	1	08-Oct-2024 19:43
Chromium	U		0.000400	0.00400	mg/L	1	08-Oct-2024 19:43
Cobalt	0.000464	J	0.000200	0.00500	mg/L	1	08-Oct-2024 19:43
Copper	U		0.00100	0.00200	mg/L	1	08-Oct-2024 19:43
Iron	U		0.0120	0.200	mg/L	1	08-Oct-2024 19:43
Lead	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:43
Lithium	0.00556		0.00100	0.00500	mg/L	1	08-Oct-2024 19:43
Magnesium	3.93		0.0100	0.200	mg/L	1	08-Oct-2024 19:43
Manganese	0.00302	J	0.000700	0.00500	mg/L	1	08-Oct-2024 19:43
Molybdenum	0.00312	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:43
Nickel	U		0.000600	0.00200	mg/L	1	08-Oct-2024 19:43
Potassium	0.999		0.0180	0.200	mg/L	1	08-Oct-2024 19:43
Selenium	U		0.00110	0.00200	mg/L	1	08-Oct-2024 19:43
Silver	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:43
Sodium	4.00		0.0140	0.200	mg/L	1	08-Oct-2024 19:43
Thallium	U		0.000200	0.00200	mg/L	1	08-Oct-2024 19:43
Uranium	0.000726	J	0.000500	0.00500	mg/L	1	08-Oct-2024 19:43
Vanadium	0.000954	J	0.000600	0.00500	mg/L	1	08-Oct-2024 19:43
Zinc	U		0.00200	0.00400	mg/L	1	08-Oct-2024 19:43
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 09-Oct-2024		Analyst: JS	
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2024 13:33
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Chloride	3.93		0.200	0.500	mg/L	1	25-Sep-2024 22:31
Fluoride	0.444		0.0500	0.100	mg/L	1	25-Sep-2024 22:31
Nitrogen, Nitrate (As N)	0.126		0.0300	0.100	mg/L	1	25-Sep-2024 22:31
Nitrogen, Nitrite (As N)	0.0720	J	0.0300	0.100	mg/L	1	25-Sep-2024 22:31
Sulfate	24.8		0.200	0.500	mg/L	1	25-Sep-2024 22:31
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH	
Nitrate/Nitrite (as N)	0.355	J	0.300	2.00	mg/L	10	01-Oct-2024 19:06
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C				Analyst: KC	
Total Dissolved Solids (Residue, Filterable)	84.0		5.00	10.0	mg/L	1	30-Sep-2024 08:30

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

Client: Telesto Solutions Inc
Project: Knox Pit
Sample ID: MW-19
Collection Date: 24-Sep-2024 13:10

ANALYTICAL REPORT
WorkOrder:HS24091253
Lab ID:HS24091253-06
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ALKALINITY BY -2011		Method:SM2320B				Analyst: AR	
Alkalinity, Bicarbonate (As CaCO3)	95.0		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Carbonate (As CaCO3)	U		3.00	5.00	mg/L	1	08-Oct-2024 16:07
Alkalinity, Total (As CaCO3)	95.0		2.50	5.00	mg/L	1	08-Oct-2024 16:07
PH BY SM4500H+ B-2011		Method:SM4500H+ B				Analyst: MR	
pH	8.06	H	0.100	0.100	pH Units	1	02-Oct-2024 09:47
Temp Deg C @pH	22.8	H	0	0	°C	1	02-Oct-2024 09:47
CYANIDE - SW9014		Method:SW9014				Prep:SW9010C / 01-Oct-2024 Analyst: SG	
Cyanide	U		0.00200	0.00500	mg/L	1	02-Oct-2024 10:07

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

Weight / Prep Log

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

Batch ID: 218379	Start Date: 01 Oct 2024 12:00	End Date: 01 Oct 2024 12:00
Method: CYANIDE PREP - SW9010C	Prep Code: CN_TW_PR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24091253-01		50 (mL)	50 (mL)	1	250 mL plastic, NaOH
HS24091253-02		50 (mL)	50 (mL)	1	250 mL plastic, NaOH
HS24091253-03		50 (mL)	50 (mL)	1	250 mL plastic, NaOH
HS24091253-04		50 (mL)	50 (mL)	1	250 mL plastic, NaOH
HS24091253-05		50 (mL)	50 (mL)	1	250 mL plastic, NaOH
HS24091253-06		50 (mL)	50 (mL)	1	250 mL plastic, NaOH

Batch ID: 218659	Start Date: 07 Oct 2024 15:30	End Date: 07 Oct 2024 15:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24091253-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 218755	Start Date: 09 Oct 2024 09:00	End Date: 09 Oct 2024 09:00
Method: MERCURY PREP BY 7470A - DISSOLVED	Prep Code: HG_W_DISSPR	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24091253-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091253-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 218379 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37		01 Oct 2024 12:00	02 Oct 2024 10:07	1
HS24091253-02	MW-10	24 Sep 2024 10:50		01 Oct 2024 12:00	02 Oct 2024 10:07	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51		01 Oct 2024 12:00	02 Oct 2024 10:07	1
HS24091253-04	MW-06	24 Sep 2024 11:45		01 Oct 2024 12:00	02 Oct 2024 10:07	1
HS24091253-05	03-Blank	24 Sep 2024 11:34		01 Oct 2024 12:00	02 Oct 2024 10:07	1
HS24091253-06	MW-19	24 Sep 2024 13:10		01 Oct 2024 12:00	02 Oct 2024 10:07	1
Batch ID: 218659 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37		07 Oct 2024 15:30	09 Oct 2024 11:11	20
HS24091253-01	MW-13	24 Sep 2024 09:37		07 Oct 2024 15:30	08 Oct 2024 19:33	1
HS24091253-02	MW-10	24 Sep 2024 10:50		07 Oct 2024 15:30	08 Oct 2024 19:35	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51		07 Oct 2024 15:30	08 Oct 2024 19:37	1
HS24091253-04	MW-06	24 Sep 2024 11:45		07 Oct 2024 15:30	09 Oct 2024 11:13	20
HS24091253-04	MW-06	24 Sep 2024 11:45		07 Oct 2024 15:30	08 Oct 2024 19:39	1
HS24091253-05	03-Blank	24 Sep 2024 11:34		07 Oct 2024 15:30	08 Oct 2024 19:41	1
HS24091253-06	MW-19	24 Sep 2024 13:10		07 Oct 2024 15:30	08 Oct 2024 19:43	1
Batch ID: 218755 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37		09 Oct 2024 09:00	09 Oct 2024 13:21	1
HS24091253-02	MW-10	24 Sep 2024 10:50		09 Oct 2024 09:00	09 Oct 2024 13:26	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51		09 Oct 2024 09:00	09 Oct 2024 13:28	1
HS24091253-04	MW-06	24 Sep 2024 11:45		09 Oct 2024 09:00	09 Oct 2024 13:30	1
HS24091253-05	03-Blank	24 Sep 2024 11:34		09 Oct 2024 09:00	09 Oct 2024 13:31	1
HS24091253-06	MW-19	24 Sep 2024 13:10		09 Oct 2024 09:00	09 Oct 2024 13:33	1
Batch ID: R478140 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37			25 Sep 2024 20:57	10
HS24091253-01	MW-13	24 Sep 2024 09:37			25 Sep 2024 20:51	1
HS24091253-02	MW-10	24 Sep 2024 10:50			25 Sep 2024 21:09	10
HS24091253-02	MW-10	24 Sep 2024 10:50			25 Sep 2024 21:03	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51			25 Sep 2024 21:20	10
HS24091253-03	02-MW-10	24 Sep 2024 10:51			25 Sep 2024 21:14	1
HS24091253-04	MW-06	24 Sep 2024 11:45			25 Sep 2024 21:32	10
HS24091253-04	MW-06	24 Sep 2024 11:45			25 Sep 2024 21:26	1
HS24091253-05	03-Blank	24 Sep 2024 11:34			25 Sep 2024 22:07	1
HS24091253-06	MW-19	24 Sep 2024 13:10			25 Sep 2024 22:31	1

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R478689 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37			30 Sep 2024 08:30	1
HS24091253-02	MW-10	24 Sep 2024 10:50			30 Sep 2024 08:30	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51			30 Sep 2024 08:30	1
HS24091253-04	MW-06	24 Sep 2024 11:45			30 Sep 2024 08:30	1
HS24091253-05	03-Blank	24 Sep 2024 11:34			30 Sep 2024 08:30	1
HS24091253-06	MW-19	24 Sep 2024 13:10			30 Sep 2024 08:30	1
Batch ID: R478734 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37			01 Oct 2024 18:25	10
HS24091253-02	MW-10	24 Sep 2024 10:50			01 Oct 2024 18:42	10
HS24091253-03	02-MW-10	24 Sep 2024 10:51			01 Oct 2024 18:48	10
HS24091253-04	MW-06	24 Sep 2024 11:45			01 Oct 2024 18:54	10
HS24091253-05	03-Blank	24 Sep 2024 11:34			01 Oct 2024 19:00	10
HS24091253-06	MW-19	24 Sep 2024 13:10			01 Oct 2024 19:06	10
Batch ID: R478771 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37			02 Oct 2024 09:34	1
HS24091253-02	MW-10	24 Sep 2024 10:50			02 Oct 2024 09:37	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51			02 Oct 2024 09:39	1
HS24091253-04	MW-06	24 Sep 2024 11:45			02 Oct 2024 09:42	1
HS24091253-05	03-Blank	24 Sep 2024 11:34			02 Oct 2024 09:44	1
HS24091253-06	MW-19	24 Sep 2024 13:10			02 Oct 2024 09:47	1
Batch ID: R479342 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS24091253-01	MW-13	24 Sep 2024 09:37			08 Oct 2024 15:23	1
HS24091253-02	MW-10	24 Sep 2024 10:50			08 Oct 2024 15:23	1
HS24091253-03	02-MW-10	24 Sep 2024 10:51			08 Oct 2024 15:23	1
Batch ID: R479359 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS24091253-04	MW-06	24 Sep 2024 11:45			08 Oct 2024 16:07	1
HS24091253-05	03-Blank	24 Sep 2024 11:34			08 Oct 2024 16:07	1
HS24091253-06	MW-19	24 Sep 2024 13:10			08 Oct 2024 16:07	1

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218659	Units: mg/L		Analysis Date: 08-Oct-2024 19:08					
Client ID:	Run ID: ICPMS06_479338		SeqNo: 8299320		PrepDate: 07-Oct-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	U	0.0100							
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	U	0.00500							
Zinc	U	0.00400							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS		Sample ID: LCS-218659		Units: mg/L		Analysis Date: 08-Oct-2024 19:10			
Client ID:		Run ID: ICPMS06_479338		SeqNo: 8299321		PrepDate: 07-Oct-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1102	0.0100	0.1	0	110	80 - 120			
Antimony	0.05211	0.00200	0.05	0	104	80 - 120			
Arsenic	0.0502	0.00200	0.05	0	100	80 - 120			
Barium	0.04929	0.00400	0.05	0	98.6	80 - 120			
Beryllium	0.04982	0.00200	0.05	0	99.6	80 - 120			
Boron	0.482	0.0200	0.5	0	96.4	80 - 120			
Cadmium	0.04918	0.00200	0.05	0	98.4	80 - 120			
Calcium	5.191	0.500	5	0	104	80 - 120			
Chromium	0.05225	0.00400	0.05	0	104	80 - 120			
Cobalt	0.05062	0.00500	0.05	0	101	80 - 120			
Copper	0.05174	0.00200	0.05	0	103	80 - 120			
Iron	5.211	0.200	5	0	104	80 - 120			
Lead	0.04831	0.00200	0.05	0	96.6	80 - 120			
Lithium	0.09622	0.00500	0.1	0	96.2	80 - 120			
Magnesium	5.331	0.200	5	0	107	80 - 120			
Manganese	0.0511	0.00500	0.05	0	102	80 - 120			
Molybdenum	0.04882	0.00500	0.05	0	97.6	80 - 120			
Nickel	0.0513	0.00200	0.05	0	103	80 - 120			
Potassium	5.27	0.200	5	0	105	80 - 120			
Selenium	0.05168	0.00200	0.05	0	103	80 - 120			
Silver	0.04985	0.00200	0.05	0	99.7	80 - 120			
Sodium	5.223	0.200	5	0	104	80 - 120			
Thallium	0.04029	0.00200	0.05	0	80.6	80 - 120			
Uranium	0.09692	0.00500	0.1	0	96.9	80 - 120			
Vanadium	0.05137	0.00500	0.05	0	103	80 - 120			
Zinc	0.04982	0.00400	0.05	0	99.6	80 - 120			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS24100195-01MS		Units: mg/L		Analysis Date: 08-Oct-2024 19:20			
Client ID:		Run ID: ICPMS06_479338		SeqNo: 8299326		PrepDate: 07-Oct-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1071	0.0100	0.1	0.009633	97.5	75 - 125			
Antimony	0.05041	0.00200	0.05	0	101	75 - 125			
Arsenic	0.09352	0.00200	0.05	0.04613	94.8	75 - 125			
Barium	0.3968	0.00400	0.05	0.3555	82.6	75 - 125			O
Beryllium	0.04833	0.00200	0.05	0	96.7	75 - 125			
Boron	0.6331	0.0200	0.5	0.1774	91.1	75 - 125			
Cadmium	0.04855	0.00200	0.05	0	97.1	75 - 125			
Calcium	143.3	0.500	5	141.4	38.0	75 - 125			SO
Chromium	0.05022	0.00400	0.05	0.000591	99.3	75 - 125			
Cobalt	0.04891	0.00500	0.05	0.00063	96.6	75 - 125			
Copper	0.048	0.00200	0.05	0	96.0	75 - 125			
Iron	17.24	0.200	5	12.5	94.8	75 - 125			
Lead	0.04745	0.00200	0.05	0	94.9	75 - 125			
Lithium	0.09839	0.00500	0.1	0.007035	91.4	75 - 125			
Magnesium	35.69	0.200	5	32.22	69.3	75 - 125			SO
Manganese	1.203	0.00500	0.05	1.2	7.02	75 - 125			SO
Molybdenum	0.04937	0.00500	0.05	0.001067	96.6	75 - 125			
Nickel	0.04849	0.00200	0.05	0	97.0	75 - 125			
Potassium	5.34	0.200	5	0.2798	101	75 - 125			
Selenium	0.04936	0.00200	0.05	0	98.7	75 - 125			
Silver	0.04672	0.00200	0.05	0	93.4	75 - 125			
Sodium	35.73	0.200	5	31.82	78.2	75 - 125			O
Thallium	0.03999	0.00200	0.05	0	80.0	75 - 125			
Uranium	0.09804	0.00500	0.1	0	98.0	75 - 125			
Vanadium	0.04998	0.00500	0.05	0	100.0	75 - 125			
Zinc	0.04898	0.00400	0.05	0	98.0	75 - 125			

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD		Sample ID: HS24100195-01MSD		Units: mg/L		Analysis Date: 08-Oct-2024 19:22			
Client ID:		Run ID: ICPMS06_479338		SeqNo: 8299327		PrepDate: 07-Oct-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1107	0.0100	0.1	0.009633	101	75 - 125	0.1071	3.29	20
Antimony	0.05193	0.00200	0.05	0	104	75 - 125	0.05041	2.96	20
Arsenic	0.09766	0.00200	0.05	0.04613	103	75 - 125	0.09352	4.33	20
Barium	0.4378	0.00400	0.05	0.3555	165	75 - 125	0.3968	9.82	20 SO
Beryllium	0.05388	0.00200	0.05	0	108	75 - 125	0.04833	10.9	20
Boron	0.7086	0.0200	0.5	0.1774	106	75 - 125	0.6331	11.3	20
Cadmium	0.04993	0.00200	0.05	0	99.9	75 - 125	0.04855	2.8	20
Calcium	147.4	0.500	5	141.4	121	75 - 125	143.3	2.86	20 O
Chromium	0.05219	0.00400	0.05	0.000591	103	75 - 125	0.05022	3.86	20
Cobalt	0.05023	0.00500	0.05	0.00063	99.2	75 - 125	0.04891	2.67	20
Copper	0.04954	0.00200	0.05	0	99.1	75 - 125	0.048	3.15	20
Iron	17.52	0.200	5	12.5	100	75 - 125	17.24	1.6	20
Lead	0.05393	0.00200	0.05	0	108	75 - 125	0.04745	12.8	20
Lithium	0.1114	0.00500	0.1	0.007035	104	75 - 125	0.09839	12.4	20
Magnesium	36.89	0.200	5	32.22	93.3	75 - 125	35.69	3.31	20 O
Manganese	1.241	0.00500	0.05	1.2	83.0	75 - 125	1.203	3.11	20 O
Molybdenum	0.05633	0.00500	0.05	0.001067	111	75 - 125	0.04937	13.2	20
Nickel	0.05	0.00200	0.05	0	100	75 - 125	0.04849	3.08	20
Potassium	5.544	0.200	5	0.2798	105	75 - 125	5.34	3.75	20
Selenium	0.05198	0.00200	0.05	0	104	75 - 125	0.04936	5.18	20
Silver	0.05412	0.00200	0.05	0	108	75 - 125	0.04672	14.7	20
Sodium	36.41	0.200	5	31.82	91.8	75 - 125	35.73	1.88	20 O
Thallium	0.04594	0.00200	0.05	0	91.9	75 - 125	0.03999	13.9	20
Uranium	0.1108	0.00500	0.1	0	111	75 - 125	0.09804	12.2	20
Vanadium	0.05155	0.00500	0.05	0	103	75 - 125	0.04998	3.09	20
Zinc	0.04973	0.00400	0.05	0	99.5	75 - 125	0.04898	1.53	20

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS24100195-01PDS		Units: mg/L		Analysis Date: 08-Oct-2024 19:24			
Client ID:		Run ID: ICPMS06_479338		SeqNo: 8299328		PrepDate: 07-Oct-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1068	0.0100	0.1	0.009633	97.1	75 - 125			
Antimony	0.1022	0.00200	0.1	0.000189	102	75 - 125			
Arsenic	0.1453	0.00200	0.1	0.04613	99.2	75 - 125			
Barium	0.4527	0.00400	0.1	0.3555	97.2	75 - 125			
Beryllium	0.09882	0.00200	0.1	0.00002	98.8	75 - 125			
Cadmium	0.09857	0.00200	0.1	-0.000013	98.6	75 - 125			
Calcium	146.2	0.500	10	141.4	47.9	75 - 125			SO
Chromium	0.1014	0.00400	0.1	0.000591	101	75 - 125			
Cobalt	0.09858	0.00500	0.1	0.00063	98.0	75 - 125			
Copper	0.0978	0.00200	0.1	0.000866	96.9	75 - 125			
Iron	21.99	0.200	10	12.5	95.0	75 - 125			
Lead	0.1013	0.00200	0.1	0.000032	101	75 - 125			
Lithium	0.09738	0.00500	0.1	0.007035	90.3	75 - 125			
Magnesium	40.17	0.200	10	32.22	79.4	75 - 125			
Manganese	1.237	0.00500	0.1	1.2	37.6	75 - 125			SO
Molybdenum	0.1002	0.00500	0.1	0.001067	99.1	75 - 125			
Nickel	0.09824	0.00200	0.1	0.000488	97.8	75 - 125			
Potassium	10.55	0.200	10	0.2798	103	75 - 125			
Selenium	0.1008	0.00200	0.1	-0.000264	101	75 - 125			
Silver	0.08137	0.00200	0.1	0.000013	81.4	75 - 125			
Sodium	40.48	0.200	10	31.82	86.6	75 - 125			
Thallium	0.08945	0.00200	0.1	0.000088	89.4	75 - 125			
Uranium	0.1033	0.00500	0.1	0.00001	103	75 - 125			
Vanadium	0.1016	0.00500	0.1	0.000159	101	75 - 125			
Zinc	0.09897	0.00400	0.1	0.001223	97.8	75 - 125			

Client:Telesto Solutions Inc

Project:Knox Pit

WorkOrder:HS24091253

QC BATCH REPORT

Batch ID: 218659 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD	Sample ID: HS24100195-01SD	Units: mg/L			Analysis Date: 08-Oct-2024 19:18				
Client ID:	Run ID: ICPMS06_479338		SeqNo: 8299325		PrepDate: 07-Oct-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	0.01132	0.0500					0.009633	0 10	J
Antimony	U	0.0100					0.000189	0 10	
Arsenic	0.04608	0.0100					0.04613	0.0954 10	
Barium	0.35	0.0200					0.3555	1.55 10	
Beryllium	U	0.0100					0.00002	0 10	
Boron	0.1773	0.100					0.1774	0.0598 10	
Cadmium	U	0.0100					-0.000013	0 10	
Calcium	146	2.50					141.4	3.3 10	
Chromium	U	0.0200					0.000591	0 10	
Cobalt	U	0.0250					0.00063	0 10	
Copper	U	0.0100					0.000866	0 10	
Iron	12.57	1.00					12.5	0.598 10	
Lead	U	0.0100					0.000032	0 10	
Lithium	0.006648	0.0250					0.007035	0 10	J
Magnesium	32.63	1.00					32.22	1.24 10	
Manganese	1.236	0.0250					1.2	2.99 10	
Molybdenum	U	0.0250					0.001067	0 10	
Nickel	U	0.0100					0.000488	0 10	
Potassium	0.2475	1.00					0.2798	0 10	J
Selenium	U	0.0100					-0.000264	0 10	
Silver	U	0.0100					0.000013	0 10	
Sodium	31.72	1.00					31.82	0.311 10	
Thallium	U	0.0100					0.000088	0 10	
Uranium	U	0.0250					0.00001	0 10	
Vanadium	U	0.0250					0.000159	0 10	
Zinc	U	0.0200					0.001223	0 10	
The following samples were analyzed in this batch:									
		HS24091253-01		HS24091253-02		HS24091253-03		HS24091253-04	
		HS24091253-05		HS24091253-06					

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218755 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)					
MBLK	Sample ID: MBLK-218755	Units: mg/L			Analysis Date: 09-Oct-2024 13:18				
Client ID:	Run ID: HG04_479467	SeqNo: 8301105		PrepDate: 09-Oct-2024		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-218755	Units: mg/L			Analysis Date: 09-Oct-2024 13:19				
Client ID:	Run ID: HG04_479467	SeqNo: 8301106		PrepDate: 09-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00478	0.000200	0.005	0	95.6	80 - 120			
MS	Sample ID: HS24091253-01MS	Units: mg/L			Analysis Date: 09-Oct-2024 13:23				
Client ID: MW-13	Run ID: HG04_479467	SeqNo: 8301108		PrepDate: 09-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00537	0.000200	0.005	0.000005	107	80 - 120			
MSD	Sample ID: HS24091253-01MSD	Units: mg/L			Analysis Date: 09-Oct-2024 13:25				
Client ID: MW-13	Run ID: HG04_479467	SeqNo: 8301109		PrepDate: 09-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00585	0.000200	0.005	0.000005	117	80 - 120	0.00537	8.56	20
The following samples were analyzed in this batch:									
HS24091253-01		HS24091253-02		HS24091253-03		HS24091253-04			
HS24091253-05		HS24091253-06							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: 218379 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-218379	Units: mg/L		Analysis Date: 02-Oct-2024 10:07					
Client ID:	Run ID: UV-2450_478739	SeqNo: 8285544		PrepDate: 01-Oct-2024		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-218379	Units: mg/L		Analysis Date: 02-Oct-2024 10:07					
Client ID:	Run ID: UV-2450_478739	SeqNo: 8285543		PrepDate: 01-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.187	0.00500	0.2	0	93.5	80 - 120			
MS	Sample ID: HS24091341-06MS	Units: mg/L		Analysis Date: 02-Oct-2024 10:07					
Client ID:	Run ID: UV-2450_478739	SeqNo: 8285541		PrepDate: 01-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.18	0.00500	0.2	-0.001	90.5	80 - 120			
MSD	Sample ID: HS24091341-06MSD	Units: mg/L		Analysis Date: 02-Oct-2024 10:07					
Client ID:	Run ID: UV-2450_478739	SeqNo: 8285542		PrepDate: 01-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.176	0.00500	0.2	-0.001	88.5	80 - 120	0.18	2.25	20
The following samples were analyzed in this batch:									
HS24091253-01		HS24091253-02		HS24091253-03		HS24091253-04			
HS24091253-05		HS24091253-06							

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: R478140 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 25-Sep-2024 20:33					
Client ID:	Run ID: ICS-Integrion_478140		SeqNo: 8272533		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							
Nitrogen, Nitrate (As N)	U	0.100							
Nitrogen, Nitrite (As N)	U	0.100							
Sulfate	U	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 25-Sep-2024 20:45					
Client ID:	Run ID: ICS-Integrion_478140		SeqNo: 8272534		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	19.82	0.500	20	0	99.1	90 - 110			
Fluoride	4.14	0.100	4	0	103	90 - 110			
Nitrogen, Nitrate (As N)	3.931	0.100	4	0	98.3	90 - 110			
Nitrogen, Nitrite (As N)	3.949	0.100	4	0	98.7	90 - 110			
Sulfate	20.02	0.500	20	0	100	90 - 110			

MS	Sample ID: HS24091253-05MS	Units: mg/L		Analysis Date: 25-Sep-2024 22:13					
Client ID: 03-Blank	Run ID: ICS-Integrion_478140		SeqNo: 8272546		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	9.859	0.500	10	0.121	97.4	80 - 120			
Fluoride	2.078	0.100	2	0	104	80 - 120			
Nitrogen, Nitrate (As N)	1.929	0.100	2	0.0322	94.8	80 - 120			
Nitrogen, Nitrite (As N)	1.965	0.100	2	0	98.2	80 - 120			
Sulfate	9.8	0.500	10	0.1221	96.8	80 - 120			

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24091253

QC BATCH REPORT

Batch ID: R478140 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD		Sample ID: HS24091253-05MSD		Units: mg/L		Analysis Date: 25-Sep-2024 22:19			
Client ID: 03-Blank		Run ID: ICS-Integrion_478140		SeqNo: 8272547		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	9.895	0.500	10	0.121	97.7	80 - 120	9.859	0.364	20
Fluoride	2.052	0.100	2	0	103	80 - 120	2.078	1.26	20
Nitrogen, Nitrate (As N)	1.935	0.100	2	0.0322	95.2	80 - 120	1.929	0.347	20
Nitrogen, Nitrite (As N)	1.968	0.100	2	0	98.4	80 - 120	1.965	0.183	20
Sulfate	9.891	0.500	10	0.1221	97.7	80 - 120	9.8	0.929	20
The following samples were analyzed in this batch:									
		HS24091253-01		HS24091253-02		HS24091253-03		HS24091253-04	
		HS24091253-05		HS24091253-06					

Client: Telesto Solutions Inc

Project: Knox Pit

WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: R478689 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-09302024	Units: mg/L		Analysis Date: 30-Sep-2024 08:30						
Client ID:	Run ID: Balance1_478689	SeqNo: 8284332		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-09302024	Units: mg/L		Analysis Date: 30-Sep-2024 08:30						
Client ID:	Run ID: Balance1_478689	SeqNo: 8284331		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)		944	10.0	1000	0	94.4	85 - 115			
DUP	Sample ID: HS24091478-07 DUP	Units: mg/L		Analysis Date: 30-Sep-2024 08:30						
Client ID:	Run ID: Balance1_478689	SeqNo: 8284329		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)		868	10.0				780	10.7	20	
DUP	Sample ID: HS24091286-01 DUP	Units: mg/L		Analysis Date: 30-Sep-2024 08:30						
Client ID:	Run ID: Balance1_478689	SeqNo: 8284322		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				186	5.52	20	
The following samples were analyzed in this batch:		HS24091253-01		HS24091253-02		HS24091253-03		HS24091253-04		
		HS24091253-05		HS24091253-06						

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: R478734 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L			Analysis Date: 01-Oct-2024 15:22				
Client ID:	Run ID: ICS-Integrion_478734		SeqNo: 8285430		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: 01-Oct-2024 15:28				
Client ID:	Run ID: ICS-Integrion_478734		SeqNo: 8285431		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)	7.747	0.200	8	0	96.8	90 - 110			
MS	Sample ID: HS24091253-01MS	Units: mg/L			Analysis Date: 01-Oct-2024 18:30				
Client ID: MW-13	Run ID: ICS-Integrion_478734		SeqNo: 8285453		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)	38.24	2.00	40	0.665	93.9	80 - 120			
MS	Sample ID: HS24091252-01MS	Units: mg/L			Analysis Date: 01-Oct-2024 15:46				
Client ID:	Run ID: ICS-Integrion_478734		SeqNo: 8285433		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)	37.26	2.00	40	0.412	92.1	80 - 120			
MSD	Sample ID: HS24091253-01MSD	Units: mg/L			Analysis Date: 01-Oct-2024 18:36				
Client ID: MW-13	Run ID: ICS-Integrion_478734		SeqNo: 8285454		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)	39.34	2.00	40	0.665	96.7	80 - 120	38.24	2.86	20
MSD	Sample ID: HS24091252-01MSD	Units: mg/L			Analysis Date: 01-Oct-2024 15:52				
Client ID:	Run ID: ICS-Integrion_478734		SeqNo: 8285434		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)	38.75	2.00	40	0.412	95.8	80 - 120	37.26	3.92	20
The following samples were analyzed in this batch:									
HS24091253-01			HS24091253-02		HS24091253-03		HS24091253-04		
HS24091253-05			HS24091253-06						

Client:

Project:

WorkOrder:

Telesto Solutions Inc

Knox Pit

HS24091253

QC BATCH REPORT

Batch ID: R478771 (0)		Instrument: Skalar 03		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS24091253-06DUP		Units: pH Units		Analysis Date: 02-Oct-2024 09:52				
Client ID: MW-19	Run ID: Skalar 03_478771		SeqNo: 8285982		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	8.06	0.100					8.06	0	10
Temp Deg C @pH	22.8	0					22.8	0	10
The following samples were analyzed in this batch:				HS24091253-01		HS24091253-02		HS24091253-03	
				HS24091253-05		HS24091253-06		HS24091253-04	

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: R479342 (0)		Instrument: WetChem_HS		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-R479342	Units: mg/L		Analysis Date: 08-Oct-2024 15:23					
Client ID:	Run ID: WetChem_HS_479342		SeqNo: 8298492		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-R479342	Units: mg/L		Analysis Date: 08-Oct-2024 15:23					
Client ID:	Run ID: WetChem_HS_479342		SeqNo: 8298491		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)	966.9	5.00	1000	0	96.7	85 - 115			
Alkalinity, Total (As CaCO3)	995.9	5.00	1000	0	99.6	85 - 115			

LCSD	Sample ID: LCSD-R479342	Units: mg/L		Analysis Date: 08-Oct-2024 15:23					
Client ID:	Run ID: WetChem_HS_479342		SeqNo: 8298490		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)	958.7	5.00	1000	0	95.9	85 - 115	966.9	0.858	20
Alkalinity, Total (As CaCO3)	991.7	5.00	1000	0	99.2	85 - 115	995.9	0.416	20

DUP	Sample ID: HS24100099-03DUP	Units: mg/L		Analysis Date: 08-Oct-2024 15:23					
Client ID:	Run ID: WetChem_HS_479342		SeqNo: 8298488		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)	281	5.00					281	0	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	281	5.00					281	0	20

The following samples were analyzed in this batch:

HS24091253-01	HS24091253-02	HS24091253-03
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Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

QC BATCH REPORT

Batch ID: R479359 (0)		Instrument: WetChem_HS		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-R479359	Units: mg/L		Analysis Date: 08-Oct-2024 16:07					
Client ID:	Run ID: WetChem_HS_479359		SeqNo: 8298831		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-R479359	Units: mg/L		Analysis Date: 08-Oct-2024 16:07					
Client ID:	Run ID: WetChem_HS_479359		SeqNo: 8298830		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)	991.7	5.00	1000	0	99.2	85 - 115			
Alkalinity, Total (As CaCO3)	991.7	5.00	1000	0	99.2	85 - 115			

LCSD	Sample ID: LCSD-R479359	Units: mg/L		Analysis Date: 08-Oct-2024 16:07					
Client ID:	Run ID: WetChem_HS_479359		SeqNo: 8298829		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)	983.5	5.00	1000	0	98.3	85 - 115	991.7	0.837	20
Alkalinity, Total (As CaCO3)	1000	5.00	1000	0	100	85 - 115	991.7	0.829	20

DUP	Sample ID: HS24091253-04DUP	Units: mg/L		Analysis Date: 08-Oct-2024 16:07					
Client ID: MW-06	Run ID: WetChem_HS_479359		SeqNo: 8298832		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)	247.9	5.00					252.1	1.66	20
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20
Alkalinity, Total (As CaCO3)	247.9	5.00					252.1	1.66	20

The following samples were analyzed in this batch:

HS24091253-04	HS24091253-05	HS24091253-06
---------------	---------------	---------------

Client: Telesto Solutions Inc
Project: Knox Pit
WorkOrder: HS24091253

**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
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS24091253

Date/Time Received: 25-Sep-2024 10:10

Client Name: Telesto

Received by: Jacob Coronado

Completed By: /S/ Jacob Coronado	25-Sep-2024 12:41	Reviewed by: /S/ Alexis Dorenbosch	30-Sep-2024 15:54
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**Carrier name: **FedEx**

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 ☐	COC IDs:323777
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):	1.5UC/1.5C, 1.2UC/1.2C IR34		
Cooler(s)/Kit(s):	BLUE, 49979		
Date/Time sample(s) sent to storage:	09/25/2024 1242		
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: Sample time differ
MW-13: COC=0937 Label=0935

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 733 5336

Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 323777

ALS Project Manager:

HS24091253

Telesto Solutions Inc

Knox Pit



Customer Information		Project Information		
Purchase Order		Project Name	Knox Pit	A 3CO_W (Cl, F, NO ₂ , NO ₃ , SO ₄)
Work Order		Project Number		B ALK_W 2320E (Alkalinity)
Company Name	Telesto Solutions Inc	Bill To Company	Telesto Solutions Inc	C PH_W M-4500H+B (pH)
Send Report To	Tim Gerken	Invoice Attn	Tim Gerken	D TDS_W 2540C (TDS)
Address	750 14th Street	Address	750 14th Street	E 3CO_W Nitrate/Nitrite (NO ₂ +NO ₃ as N)
City/State/Zip	Cleveland CO 80537	City/State/Zip	Cleveland CO 80537	F CN_TV 9014 (Total Chl)
Phone	(970)-48-4-77	Phone	(970)-48-4-77	G ICP_DISS (Dissolved 26 Metals + Hg) (Field Filtered)
Fax		Fax		H
e-Mail Address	tgerken@telesto-inc.com	e-Mail Address	tgerken@telesto-inc.com	I
				J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	W-13 MW-13	9/24/2024	9:37	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
2	MW-10		10:56	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
3	22-MW-10		10:51	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
4	MW-06		11:45	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
5	CS-Blank		11:34	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
6	MW-19		13:10	W	2,3,4	4	✓	✓	✓	✓	✓	✓	✓				48 hrs
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign <i>Tracy C. Herold</i>		Shipment Method	Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 1 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:
Relinquished by: <i>Tracy C. Herold</i>	Date: 9/24/2024	Time: 14:29	Received by: <i>Jenny Morgan</i>	Date: 9/24/2024	Time: 14:29
Relinquished by: <i>Jenny Morgan</i>	Date: 9/24/2024	Time: 16:00	Received by (Laboratory): <i>JIC</i>	Date: 9/25/24	Time: 10:12
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Date:	Time:
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5036			Cooler ID BIVE 7997P	Cooler Temp. 1.50 1.20 4.34	QC Package: (Check One Box Below) ☒ Level 1 S&M OK ☐ RRP Checklist ☐ Level 2 S&M OK ☐ RRP Checklist ☐ Level 3 S&M OK ☐ RRP Checklist ☐ Other

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed to in formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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pm

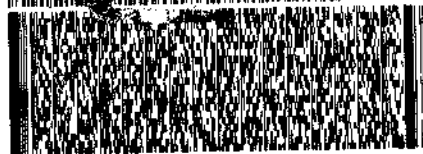
ORIGIN 10:6KXA (870) 305-1648
KAREN CRAVEN
ALS
985 E 11TH ST
LOVELAND, CO 80537
UNITED STATES US

SHIP DATE: 24SEP24
ACTWT: 48.90 LB
CAD: 0760439/CAFE3808
DIMS: 24x14x13 IN
BILL THIRD PARTY

0 SAMPLE RECEIVING
ALS HOUSTON
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

(281) 580-5866
PO: 987654812

pm



FedEx
Express



TRK# 7122 9262 4610
(0201)

WED - 25 SEP 10:30A
PRIORITY OVERNIGHT

XS SGRA

77099
TX-US IAH



49979

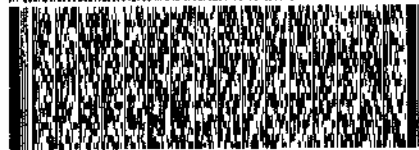
ORIGIN ID: QXYA (970) 305-1640
KAREN CRAVEN
ALS
965 E 11TH ST
LOVELAND, CO 80537
UNITED STATES US

SHIP DATE: 24SEP24
ACTWT: 29.35 LB
CAD: 0760439/CAFE3808
DIMS: 16x15x13 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
ALS HOUSTON
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

49979

(201) 580-5656
PO: 967554812



TRK# 7122 9262 4621
[0201]

WED - 25 SEP 10:30A
PRIORITY OVERNIGHT

XS SGRA

77099
TX-US IAH

