



January 4, 2022

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 - Q4 2021 Water Quality Results**

Dear Stephanie:

Please find attached 4th Quarter 2021 groundwater quality data for LRM Knox Pit Permit No. M2017-036. Figure 1 displays sample locations (wells) MW-06, MW-10, MW-12, MW-13, and MW-19. Analytical Laboratory Services – Fort Collins (ALS), conducted the laboratory analysis. Attachment 1 summarizes the 4th Quarter 2021 laboratory results, and Attachment 2 provides the ALS lab report.

Attachment 1 compares recent sample water quality data to CDPHE WQCC Regulation 41: Basic Standards for Groundwater. All parameters are below standards except for uranium in monitoring wells MW-6 and MW-10, which has exhibited uranium slightly above standards, and remain consistent with past readings. All 4th Quarter 2021 samples are consistent with previous concentration levels from previous sampling events.

Please feel free to contact me at (970) 484 7704 or via email at tgerken@telesto-inc.com if you have any questions or comments concerning this submittal.

Sincerely,

A handwritten signature in dark ink that reads "Tim Gerken". The signature is written in a cursive, flowing style.

Telesto Solutions, Inc.

Tim Gerken
Staff Geologist

TJG:wln
Enclosure
cc: wln

Colorado Office (Corporate)

750 14th Street SW
Loveland, Colorado 80537
970-484-7704 / 970-484-7789 (FAX)

Grand Junction

751 Horizon Court, Suite 109
Grand Junction, Colorado 81506
970-697-1550

New Mexico Office

1303 Pope Street
Silver City, New Mexico 88061
575-538-5620 / 575-538-5625 (FAX)

To: S. Fancher-English

Date: 1/4/2022

Page 2

REFERENCES

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

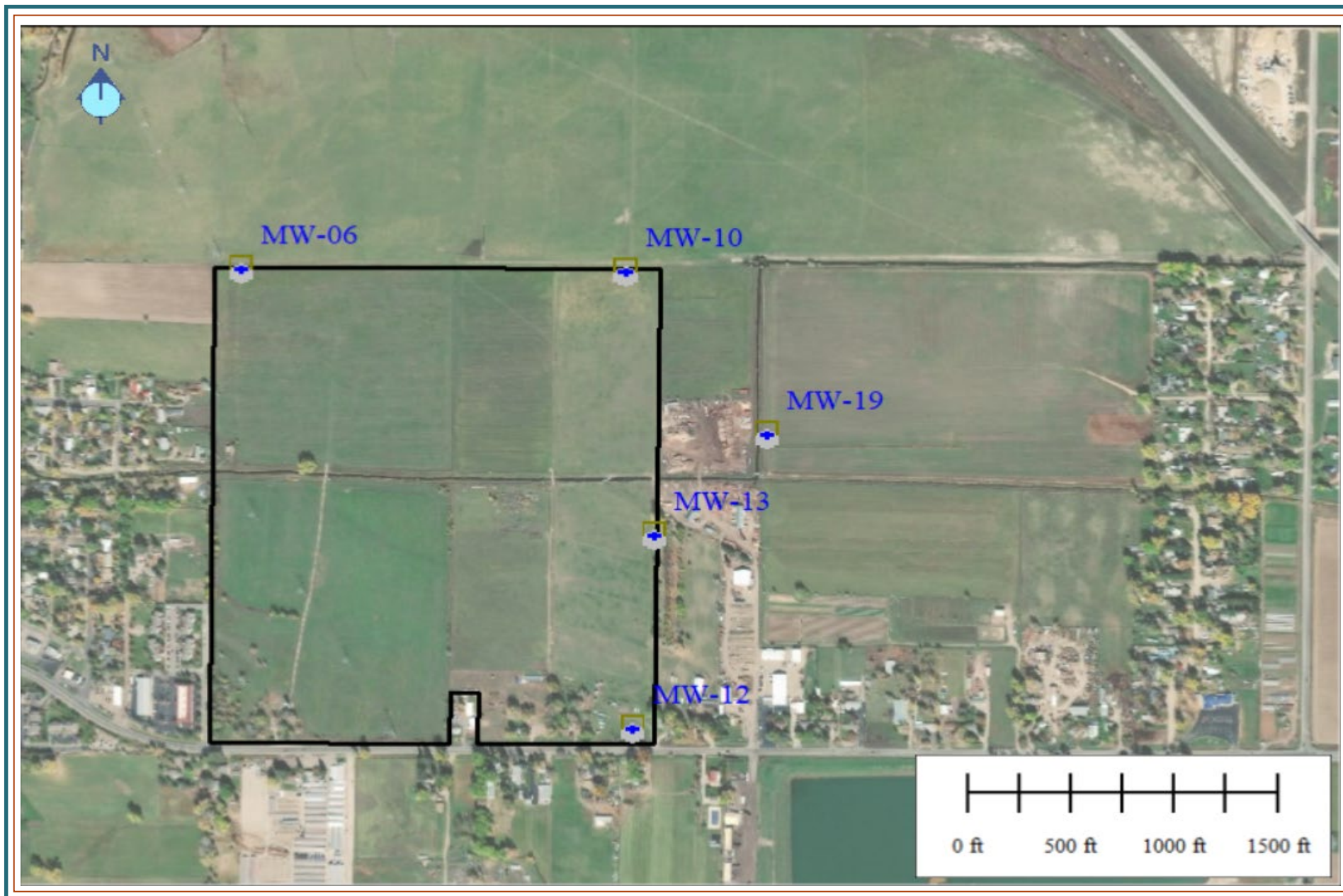


Figure 1
LRM - Knox Pit (M2017-036) – Compliance Well Locations

Sampling Location: MW-06	Sample Date	12/8/2021	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	6.37 ft		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.037	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	0.023	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0056	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	1.5	0.2	10
PH	PH	6.63	0.1	**6.5-8.5
SELENIUM	MG/L	0.026	0.01	0.05
SILVER	MG/L	ND	0.0005	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	2000	40	***
URANIUM	MG/L	0.037	0.0001	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.1	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1, 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	12/8/2021	12/8/2021	Knox Pit M2017-036	
	Sample Type	Primary	Duplicate		
	Depth to Water	4.03 feet	4.01 feet		
Analyte List	Value Units	Dissolved	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	ND	0.1	**5
ANTIMONY	MG/L	ND	ND	0.001	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.022	0.021	0.005	2
BERYLLIUM	MG/L	ND	ND	0.0005	0.004
BORON	MG/L	ND	ND	0.15	**0.75
CADMIUM	MG/L	ND	ND	0.002	0.005
CHROMIUM	MG/L	ND	ND	0.01	0.1
COBALT	MG/L	ND	ND	0.005	**0.05
COPPER	MG/L	ND	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	ND	ND	0.1	4
IRON	MG/L	ND	ND	0.1	**5
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.026	0.026	0.02	**2.5
MANGANESE	MG/L	ND	ND	0.005	**0.2
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0027	0.003	0.002	0.21
NICKEL	MG/L	ND	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	2.2	2.2	0.02	10
PH	PH	6.95	7.2	0.1	**6.5-8.5
SELENIUM	MG/L	0.017	0.019	0.01	0.05
SILVER	MG/L	ND	ND	0.0005	0.05
THALLIUM	MG/L	ND	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	1500	1500	20	***
URANIUM	MG/L	0.03	0.031	0.0001	0.03
VANADIUM	MG/L	ND	ND	0.005	**0.1
ZINC	MG/L	ND	ND	0.1	**2
ND = Non-Detect NM= Not Measured * Analytes tested are from Table 1, 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	12/8/2021	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	6.87 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.031	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	0.65	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0042	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	7.27	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.01	0.05
SILVER	MG/L	ND	0.0005	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	570	20	***
URANIUM	MG/L	0.0032	0.0001	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.1	**2
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Sampling Location: MW-13	Sample Date	12/8/2021	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	7.24 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.031	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0027	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	7.41	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.01	0.05
SILVER	MG/L	ND	0.0005	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	200	40	***
URANIUM	MG/L	0.0011	0.0001	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.1	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1, 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	12/8/2021	Knox Pit M2017-036	
	Sample Type	Primary		
	Depth to Water	5.31 feet		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	0.052	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0024	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	7.37	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.01	0.05
SILVER	MG/L	ND	0.0005	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	190	40	***
URANIUM	MG/L	0.003	0.0001	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.1	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1, 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	12/8/2021	Knox Pit M2017-036	
	Sample Type	Blank		
	Depth to Water	Distilled Water		
Analyte List	Value Units	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.1	**5
ANTIMONY	MG/L	ND	0.001	0.006
ARSENIC	MG/L	ND	0.002	0.01
BARIUM	MG/L	ND	0.005	2
BERYLLIUM	MG/L	ND	0.0005	0.004
BORON	MG/L	ND	0.15	**0.75
CADMIUM	MG/L	ND	0.002	0.005
CHROMIUM	MG/L	ND	0.01	0.1
COBALT	MG/L	ND	0.005	**0.05
COPPER	MG/L	ND	0.02	**0.2
CYANIDE, TOTAL	MG/L	ND	0.005	0.2
FLUORIDE	MG/L	ND	0.1	4
IRON	MG/L	ND	0.1	**5
LEAD	MG/L	ND	0.002	0.05
LITHIUM	MG/L	ND	0.02	**2.5
MANGANESE	MG/L	ND	0.005	**0.2
MERCURY	MG/L	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	0.002	0.21
NICKEL	MG/L	ND	0.02	0.1
NITRATE/NITRITE AS N	MG/L	ND	0.02	10
PH	PH	8.2	0.1	**6.5-8.5
SELENIUM	MG/L	ND	0.01	0.05
SILVER	MG/L	ND	0.0005	0.05
THALLIUM	MG/L	ND	0.0001	0.002
TOTAL DISSOLVED SOLIDS	MG/L	700	40	***
URANIUM	MG/L	ND	0.0001	0.03
VANADIUM	MG/L	ND	0.005	**0.1
ZINC	MG/L	ND	0.1	**2

ND = Non-Detect

NM= Not Measured

* Analytes tested are from Table 1, 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



Monday, December 20, 2021

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

Re: ALS Workorder: 2112184
Project Name: LRM - Knox Pit
Project Number: 360100

Dear Mr. Gerken:

Seven water samples were received from Telesto Solutions Inc, on 12/8/2021. The samples were scheduled for the following analyses:

Inorganics

Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Katie M. O'Brien
Project Manager

Accreditations: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Arizona	AZ0828
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
Oklahoma	1301
PJLA (DoD ELAP/ISO 170250)	95377
PJLA (DOE-AP/ISO 17025)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280
Virginia	460305

40 CFR Part 136: All analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.



2112184

Metals:

The samples were analyzed following SW-846, 3rd Edition procedures. Analysis by ICPMS followed method 6020B and the current revision of SOP 827. Mercury analysis by CVAA followed method 7470A and the current revision of SOP 812.

The samples for dissolved metals had been filtered prior to receipt, and had a pH less than 2 upon receipt.

All acceptance criteria were met.

Inorganics:

The samples were analyzed following SW-846, EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Alkalinity	SM2320B	1106
Bicarbonate	SM2320B	1106
Carbonate	SM2320B	1106
Total cyanide	9014	1110
Nitrate/nitrite as N	353.2 Revision 2.0	1127
pH	SM4500-H ⁺ B	1126
TDS	SM2540C	1101
Chloride	300.0 Revision 2.1	1113
Fluoride	300.0 Revision 2.1	1113
Sulfate	300.0 Revision 2.1	1113

All laboratory control sample criteria were met with the exception of the RPD for TDS. Since the recoveries for TDS in the laboratory control sample and laboratory control sample duplicate were within control limits, with only the RPD exceeding acceptance criteria, no further action was taken.

All other acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2112184

Client Name: Telesto Solutions Inc

Client Project Name: LRM - Knox Pit

Client Project Number: 360100

Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-06	2112184-1		WATER	08-Dec-21	12:00
MW-10	2112184-2		WATER	08-Dec-21	13:08
02-MW-10	2112184-3		WATER	08-Dec-21	13:12
03-Blank	2112184-4		WATER	08-Dec-21	13:20
MW-13	2112184-5		WATER	08-Dec-21	13:55
MW-12	2112184-6		WATER	08-Dec-21	14:22
MW-19	2112184-7		WATER	08-Dec-21	15:31



ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

2112184

Chain-of-Custody

Form 202a

PROJECT NAME	LRM-Knox Pit	SAMPLER	Tim Gerken	DATE	12/8/21	WORKORDER #	
PROJECT NO.	360100	SITE ID		TURNAROUND		PAGE	1 of 3
COMPANY NAME	Teleso Solutions	EDD FORMAT				DISPOSAL	By Lab or Return to Client
SEND REPORT TO	Tim Gerken	PURCHASE ORDER					
ADDRESS		BILL TO COMPANY					
CITY / STATE / ZIP		INVOICE ATTN TO					
PHONE	720-438-5513	ADDRESS					
FAX		CITY / STATE / ZIP					
E-MAIL	timgerken@teleso-inc.com	PHONE					
		FAX					
		E-MAIL					
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
1	MW-06	W	12/8/21	12:00	1	-	X
	MW-06				1	2	X
	MW-06				1	3	X
	MW-06				1	4	X
	MW-10			13:08	1	-	X
2	MW-10				1	2	X
	MW-10				1	3	X
	MW-10				1	4	X
3	02-MW-10	V		13:12	1	-	X
	02-MW-10				1	2	X

*Time Zone (Circle): EST CST MST PST Matrix O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:	QC PACKAGE (check below)
Dissolved Metals Field Filtrate	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)
Preservative Key:	1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	Tim Gerken	Tim Gerken	12/8/21	16:00
RELINQUISHED BY	Amy Kepner	Amy Kepner	12/8/21	16:50
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				



ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

2112184

Chain-of-Custody

Form 202r8

PROJECT NAME	LRM-Knox Pit	SAMPLER	Tim Gerken	DATE	12/13/21	WORKORDER #	
PROJECT No.	360100	SITE ID		TURNAROUND		PAGE	2 of 3
COMPANY NAME	Telesto	EDD FORMAT				DISPOSAL	By Lab or Return to Client
SEND REPORT TO		PURCHASE ORDER					
ADDRESS		BILL TO COMPANY					
CITY / STATE / ZIP		INVOICE ATTN TO					
PHONE		ADDRESS					
FAX		CITY / STATE / ZIP					
E-MAIL		PHONE					
		FAX					
		E-MAIL					
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
3	02-MW-10	W	12/13/21	13:12	1	3	
	02-MW-10			13:12	1	4	
	03-Blank			13:20	1		
	03-Blank			13:20	1		
	03-Blank			13:20	1		
	03-Blank			13:20	1		
	MW-13			13:55	1		
	MW-13			13:55	1		
	MW-13			13:55	1		
	MW-13			13:55	1		

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: Dissolved Metals Field Filter	QC PACKAGE (check below)			
	LEVEL II (Standard QC)			
	LEVEL III (Std QC + forms)			
	LEVEL IV (Std QC + forms + raw data)			
Preservative Key:		1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	Tim Gerken	Tim Gerken	12/13/21	16:00
RELINQUISHED BY		Amey K. Pham	12/13/21	16:30
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

12 4.20



225 Commerce Drive, Fort Collins, Colorado 80524
 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

2112184

Chain-of-Custody

Form 202r8

[illegible]

For metals or anions, please detail analytes below.

Comments: Dissolved Metals Field Filtrated	QC PACKAGE (check below)	
	LEVEL II (Standard QC)	
	LEVEL III (Std QC + forms)	
	LEVEL IV (Std QC + forms + raw data)	
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>T. Berken</i>	Tim Berken	12/8/21	16:00
RECEIVED BY	<i>Amy Cepeda</i>	Amy Cepeda	12/8/21	14:30
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

7 of 31

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

436



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: TELESTO Workorder No: 2112184
 Project Manager: KMO Initials: AXK Date: 12/09/2021

				N/A	YES	NO
1. Are airbills / shipping documents present and/or removable?				X		
Tracking number:						
2. Are custody seals on shipping containers intact?				X		
3. Are custody seals on sample containers intact?				X		
4. Is there a COC (chain-of-custody) present?					X	
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)					X	
6. Are short-hold samples present?					X	
7. Are all samples within holding times for the requested analyses?					X	
8. Were all sample containers received intact? (not broken or leaking)					X	
9. Is there sufficient sample for the requested analyses?					X	
10. Are samples in proper containers for requested analyses? (form 250, <i>Sample Handling Guidelines</i>)					X	
11. Are all aqueous samples preserved correctly, if required? (excluding volatiles)						X
12. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm (1/4 inch) diameter? (i.e. size of green pea)				X		
13. Were the samples shipped on ice?					X	
14. Were cooler temperatures measured at 0.1-6.0°C?				IR gun used*: #5	RAD ONLY	X
Cooler #: <u>1</u> Temperature (°C): <u>4.8</u> # of custody seals on cooler: <u>0</u> External µR/hr reading: <u>-</u> Background µR/hr reading: <u>12</u> Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>NA</u> (If no, see Form 008.)						

* Please provide details here for NO responses to boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

Sample 6 bottle 2 had initial pH of 6; added 0.5ml HNO3 lot 267725 to achieve pH <2.

Were unpreserved bottles pH checked? NA All client bottle ID's vs ALS lab ID's double-checked by AK

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 12/12/21

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: MW-06
 Legal Location:
 Collection Date: 12/8/2021 12:00

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-1
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate		SM2320B			Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	270		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	270		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals		SW6020			Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:35
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:35
ARSENIC	ND		2	UG/L	10	12/16/2021 13:35
BORON	ND		150	UG/L	10	12/16/2021 13:35
BARIUM	37		5	UG/L	10	12/16/2021 13:35
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:35
CALCIUM	520000		1000	UG/L	10	12/16/2021 13:35
CADMIUM	ND		2	UG/L	10	12/16/2021 13:35
COBALT	ND		5	UG/L	10	12/16/2021 13:35
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:35
COPPER	ND		20	UG/L	10	12/16/2021 13:35
IRON	ND		100	UG/L	10	12/16/2021 13:35
POTASSIUM	5700		1000	UG/L	10	12/16/2021 13:35
LITHIUM	23		20	UG/L	10	12/16/2021 13:35
MAGNESIUM	28000		100	UG/L	10	12/16/2021 13:35
MANGANESE	ND		10	UG/L	10	12/16/2021 13:35
MOLYBDENUM	5.6		2	UG/L	10	12/16/2021 13:35
SODIUM	17000		1000	UG/L	10	12/16/2021 13:35
NICKEL	ND		20	UG/L	10	12/16/2021 13:35
LEAD	ND		2	UG/L	10	12/16/2021 13:35
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:35
SELENIUM	26		10	UG/L	10	12/16/2021 13:35
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:35
URANIUM	37		0.1	UG/L	10	12/16/2021 13:35
VANADIUM	ND		5	UG/L	10	12/16/2021 13:35
ZINC	ND		100	UG/L	10	12/16/2021 13:35
Ion Chromatography		EPA300.0			Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	20		2	MG/L	10	12/14/2021 11:56
FLUORIDE	ND		1	MG/L	10	12/14/2021 11:56
SULFATE	1200		20	MG/L	20	12/14/2021 15:29
Dissolved Mercury		SW7470			Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:15
Nitrate/Nitrite as N		EPA353.2			Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	1.5		0.2	MG/L	10	12/17/2021 10:37
pH		SM4500-H			Prep Date: 12/13/2021	PrepBy: KRL
PH	6.63		0.1	pH	1	12/13/2021
Total Cyanide		SW9014			Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids		SM2540C			Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	MW-06	Lab ID:	2112184-1
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 12:00	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	2000		40	MG/L	1	12/15/2021

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: MW-10
 Legal Location:
 Collection Date: 12/8/2021 13:08

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-2
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate		SM2320B			Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	260		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	260		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals		SW6020			Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:38
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:38
ARSENIC	ND		2	UG/L	10	12/16/2021 13:38
BORON	ND		150	UG/L	10	12/16/2021 13:38
BARIUM	22		5	UG/L	10	12/16/2021 13:38
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:38
CALCIUM	370000		1000	UG/L	10	12/16/2021 13:38
CADMIUM	ND		2	UG/L	10	12/16/2021 13:38
COBALT	ND		5	UG/L	10	12/16/2021 13:38
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:38
COPPER	ND		20	UG/L	10	12/16/2021 13:38
IRON	ND		100	UG/L	10	12/16/2021 13:38
POTASSIUM	3100		1000	UG/L	10	12/16/2021 13:38
LITHIUM	26		20	UG/L	10	12/16/2021 13:38
MAGNESIUM	22000		100	UG/L	10	12/16/2021 13:38
MANGANESE	ND		10	UG/L	10	12/16/2021 13:38
MOLYBDENUM	2.7		2	UG/L	10	12/16/2021 13:38
SODIUM	19000		1000	UG/L	10	12/16/2021 13:38
NICKEL	ND		20	UG/L	10	12/16/2021 13:38
LEAD	ND		2	UG/L	10	12/16/2021 13:38
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:38
SELENIUM	17		10	UG/L	10	12/16/2021 13:38
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:38
URANIUM	30		0.1	UG/L	10	12/16/2021 13:38
VANADIUM	ND		5	UG/L	10	12/16/2021 13:38
ZINC	ND		100	UG/L	10	12/16/2021 13:38
Ion Chromatography		EPA300.0			Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	23		2	MG/L	10	12/14/2021 12:02
FLUORIDE	ND		1	MG/L	10	12/14/2021 12:02
SULFATE	880		10	MG/L	10	12/14/2021 12:02
Dissolved Mercury		SW7470			Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:17
Nitrate/Nitrite as N		EPA353.2			Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	2.2		0.2	MG/L	10	12/17/2021 10:38
pH		SM4500-H			Prep Date: 12/13/2021	PrepBy: KRL
PH	6.95		0.1	pH	1	12/13/2021
Total Cyanide		SW9014			Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids		SM2540C			Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	MW-10	Lab ID:	2112184-2
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 13:08	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	1500		40	MG/L	1	12/15/2021

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SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: 02-MW-10
 Legal Location:
 Collection Date: 12/8/2021 13:12

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-3
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate						
			SM2320B		Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	270		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	270		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals						
			SW6020		Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:41
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:41
ARSENIC	ND		2	UG/L	10	12/16/2021 13:41
BORON	ND		150	UG/L	10	12/16/2021 13:41
BARIUM	21		5	UG/L	10	12/16/2021 13:41
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:41
CALCIUM	370000		1000	UG/L	10	12/16/2021 13:41
CADMIUM	ND		2	UG/L	10	12/16/2021 13:41
COBALT	ND		5	UG/L	10	12/16/2021 13:41
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:41
COPPER	ND		20	UG/L	10	12/16/2021 13:41
IRON	ND		100	UG/L	10	12/16/2021 13:41
POTASSIUM	3100		1000	UG/L	10	12/16/2021 13:41
LITHIUM	26		20	UG/L	10	12/16/2021 13:41
MAGNESIUM	22000		100	UG/L	10	12/16/2021 13:41
MANGANESE	ND		10	UG/L	10	12/16/2021 13:41
MOLYBDENUM	3		2	UG/L	10	12/16/2021 13:41
SODIUM	20000		1000	UG/L	10	12/16/2021 13:41
NICKEL	ND		20	UG/L	10	12/16/2021 13:41
LEAD	ND		2	UG/L	10	12/16/2021 13:41
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:41
SELENIUM	19		10	UG/L	10	12/16/2021 13:41
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:41
URANIUM	31		0.1	UG/L	10	12/16/2021 13:41
VANADIUM	ND		5	UG/L	10	12/16/2021 13:41
ZINC	ND		100	UG/L	10	12/16/2021 13:41
Ion Chromatography						
			EPA300.0		Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	24		2	MG/L	10	12/14/2021 12:08
FLUORIDE	ND		1	MG/L	10	12/14/2021 12:08
SULFATE	890		10	MG/L	10	12/14/2021 12:08
Dissolved Mercury						
			SW7470		Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:19
Nitrate/Nitrite as N						
			EPA353.2		Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	2.2		0.2	MG/L	10	12/17/2021 10:38
pH						
			SM4500-H		Prep Date: 12/13/2021	PrepBy: KRL
PH	7.2		0.1	pH	1	12/13/2021
Total Cyanide						
			SW9014		Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids						
			SM2540C		Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	02-MW-10	Lab ID:	2112184-3
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 13:12	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	1500		40	MG/L	1	12/15/2021

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SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
Project: 360100 LRM - Knox Pit
Sample ID: 03-Blank
Legal Location:
Collection Date: 12/8/2021 13:20

Date: 20-Dec-21
Work Order: 2112184
Lab ID: 2112184-4
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate						
		SM2320B			Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	ND		5	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		5	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	ND		5	MG/L	1	12/13/2021
Dissolved ICPMS Metals						
		SW6020			Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:44
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:44
ARSENIC	ND		2	UG/L	10	12/16/2021 13:44
BORON	ND		150	UG/L	10	12/16/2021 13:44
BARIUM	ND		5	UG/L	10	12/16/2021 13:44
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:44
CALCIUM	ND		1000	UG/L	10	12/16/2021 13:44
CADMIUM	ND		2	UG/L	10	12/16/2021 13:44
COBALT	ND		5	UG/L	10	12/16/2021 13:44
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:44
COPPER	ND		20	UG/L	10	12/16/2021 13:44
IRON	ND		100	UG/L	10	12/16/2021 13:44
POTASSIUM	ND		1000	UG/L	10	12/16/2021 13:44
LITHIUM	ND		20	UG/L	10	12/16/2021 13:44
MAGNESIUM	ND		100	UG/L	10	12/16/2021 13:44
MANGANESE	ND		10	UG/L	10	12/16/2021 13:44
MOLYBDENUM	ND		2	UG/L	10	12/16/2021 13:44
SODIUM	1100		1000	UG/L	10	12/16/2021 13:44
NICKEL	ND		20	UG/L	10	12/16/2021 13:44
LEAD	ND		2	UG/L	10	12/16/2021 13:44
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:44
SELENIUM	ND		10	UG/L	10	12/16/2021 13:44
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:44
URANIUM	ND		0.1	UG/L	10	12/16/2021 13:44
VANADIUM	ND		5	UG/L	10	12/16/2021 13:44
ZINC	ND		100	UG/L	10	12/16/2021 13:44
Ion Chromatography						
		EPA300.0			Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	0.68		0.2	MG/L	1	12/14/2021 12:14
FLUORIDE	ND		0.1	MG/L	1	12/14/2021 12:14
SULFATE	1.5		1	MG/L	1	12/14/2021 12:14
Dissolved Mercury						
		SW7470			Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:21
Nitrate/Nitrite as N						
		EPA353.2			Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	ND		0.2	MG/L	10	12/17/2021 10:41
pH						
		SM4500-H			Prep Date: 12/13/2021	PrepBy: KRL
PH	8.2		0.1	pH	1	12/13/2021
Total Cyanide						
		SW9014			Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids						
		SM2540C			Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	03-Blank	Lab ID:	2112184-4
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 13:20	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	700		400	MG/L	1	12/15/2021

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: MW-13
 Legal Location:
 Collection Date: 12/8/2021 13:55

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-5
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate		SM2320B			Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	130		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	130		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals		SW6020			Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:47
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:47
ARSENIC	ND		2	UG/L	10	12/16/2021 13:47
BORON	ND		150	UG/L	10	12/16/2021 13:47
BARIUM	31		5	UG/L	10	12/16/2021 13:47
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:47
CALCIUM	44000		1000	UG/L	10	12/16/2021 13:47
CADMIUM	ND		2	UG/L	10	12/16/2021 13:47
COBALT	ND		5	UG/L	10	12/16/2021 13:47
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:47
COPPER	ND		20	UG/L	10	12/16/2021 13:47
IRON	ND		100	UG/L	10	12/16/2021 13:47
POTASSIUM	ND		1000	UG/L	10	12/16/2021 13:47
LITHIUM	ND		20	UG/L	10	12/16/2021 13:47
MAGNESIUM	5100		100	UG/L	10	12/16/2021 13:47
MANGANESE	ND		10	UG/L	10	12/16/2021 13:47
MOLYBDENUM	2.7		2	UG/L	10	12/16/2021 13:47
SODIUM	4600		1000	UG/L	10	12/16/2021 13:47
NICKEL	ND		20	UG/L	10	12/16/2021 13:47
LEAD	ND		2	UG/L	10	12/16/2021 13:47
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:47
SELENIUM	ND		10	UG/L	10	12/16/2021 13:47
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:47
URANIUM	1.1		0.1	UG/L	10	12/16/2021 13:47
VANADIUM	ND		5	UG/L	10	12/16/2021 13:47
ZINC	ND		100	UG/L	10	12/16/2021 13:47
Ion Chromatography		EPA300.0			Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	3.1		1	MG/L	5	12/14/2021 12:27
FLUORIDE	ND		0.5	MG/L	5	12/14/2021 12:27
SULFATE	16		5	MG/L	5	12/14/2021 12:27
Dissolved Mercury		SW7470			Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:24
Nitrate/Nitrite as N		EPA353.2			Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	ND		0.2	MG/L	10	12/17/2021 10:42
pH		SM4500-H			Prep Date: 12/13/2021	PrepBy: KRL
PH	7.41		0.1	pH	1	12/13/2021
Total Cyanide		SW9014			Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids		SM2540C			Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	MW-13	Lab ID:	2112184-5
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 13:55	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	200		20	MG/L	1	12/15/2021

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SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: MW-12
 Legal Location:
 Collection Date: 12/8/2021 14:22

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-6
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate						
			SM2320B		Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	140		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	140		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals						
			SW6020		Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:50
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:50
ARSENIC	ND		2	UG/L	10	12/16/2021 13:50
BORON	ND		150	UG/L	10	12/16/2021 13:50
BARIUM	31		5	UG/L	10	12/16/2021 13:50
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:50
CALCIUM	130000		1000	UG/L	10	12/16/2021 13:50
CADMIUM	ND		2	UG/L	10	12/16/2021 13:50
COBALT	ND		5	UG/L	10	12/16/2021 13:50
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:50
COPPER	ND		20	UG/L	10	12/16/2021 13:50
IRON	ND		100	UG/L	10	12/16/2021 13:50
POTASSIUM	1300		1000	UG/L	10	12/16/2021 13:50
LITHIUM	ND		20	UG/L	10	12/16/2021 13:50
MAGNESIUM	9700		100	UG/L	10	12/16/2021 13:50
MANGANESE	ND		10	UG/L	10	12/16/2021 13:50
MOLYBDENUM	4.2		2	UG/L	10	12/16/2021 13:50
SODIUM	12000		1000	UG/L	10	12/16/2021 13:50
NICKEL	ND		20	UG/L	10	12/16/2021 13:50
LEAD	ND		2	UG/L	10	12/16/2021 13:50
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:50
SELENIUM	ND		10	UG/L	10	12/16/2021 13:50
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:50
URANIUM	3.2		0.1	UG/L	10	12/16/2021 13:50
VANADIUM	ND		5	UG/L	10	12/16/2021 13:50
ZINC	ND		100	UG/L	10	12/16/2021 13:50
Ion Chromatography						
			EPA300.0		Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	9		1	MG/L	5	12/14/2021 12:33
FLUORIDE	0.65		0.5	MG/L	5	12/14/2021 12:33
SULFATE	260		5	MG/L	5	12/14/2021 12:33
Dissolved Mercury						
			SW7470		Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:26
Nitrate/Nitrite as N						
			EPA353.2		Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	ND		0.2	MG/L	10	12/17/2021 10:42
pH						
			SM4500-H		Prep Date: 12/13/2021	PrepBy: KRL
PH	7.27		0.1	pH	1	12/13/2021
Total Cyanide						
			SW9014		Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids						
			SM2540C		Prep Date: 12/13/2021	PrepBy: BMK

Client:	Telesto Solutions Inc	Date:	20-Dec-21
Project:	360100 LRM - Knox Pit	Work Order:	2112184
Sample ID:	MW-12	Lab ID:	2112184-6
Legal Location:		Matrix:	WATER
Collection Date:	12/8/2021 14:22	Percent Moisture:	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	570		20	MG/L	1	12/15/2021

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SAMPLE SUMMARY REPORT

Client: Telesto Solutions Inc
 Project: 360100 LRM - Knox Pit
 Sample ID: MW-19
 Legal Location:
 Collection Date: 12/8/2021 15:31

Date: 20-Dec-21
 Work Order: 2112184
 Lab ID: 2112184-7
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity as Calcium Carbonate		SM2320B			Prep Date: 12/13/2021	PrepBy: KRL
BICARBONATE AS CaCO3	150		20	MG/L	1	12/13/2021
CARBONATE AS CaCO3	ND		20	MG/L	1	12/13/2021
TOTAL ALKALINITY AS CaCO3	150		20	MG/L	1	12/13/2021
Dissolved ICPMS Metals		SW6020			Prep Date: 12/14/2021	PrepBy: ETC
SILVER	ND		0.5	UG/L	10	12/16/2021 13:53
ALUMINUM	ND		100	UG/L	10	12/16/2021 13:53
ARSENIC	ND		2	UG/L	10	12/16/2021 13:53
BORON	ND		150	UG/L	10	12/16/2021 13:53
BARIUM	52		5	UG/L	10	12/16/2021 13:53
BERYLLIUM	ND		0.5	UG/L	10	12/16/2021 13:53
CALCIUM	72000		1000	UG/L	10	12/16/2021 13:53
CADMIUM	ND		2	UG/L	10	12/16/2021 13:53
COBALT	ND		5	UG/L	10	12/16/2021 13:53
CHROMIUM	ND		10	UG/L	10	12/16/2021 13:53
COPPER	ND		20	UG/L	10	12/16/2021 13:53
IRON	ND		100	UG/L	10	12/16/2021 13:53
POTASSIUM	1300		1000	UG/L	10	12/16/2021 13:53
LITHIUM	ND		20	UG/L	10	12/16/2021 13:53
MAGNESIUM	8800		100	UG/L	10	12/16/2021 13:53
MANGANESE	ND		10	UG/L	10	12/16/2021 13:53
MOLYBDENUM	2.4		2	UG/L	10	12/16/2021 13:53
SODIUM	6800		1000	UG/L	10	12/16/2021 13:53
NICKEL	ND		20	UG/L	10	12/16/2021 13:53
LEAD	ND		2	UG/L	10	12/16/2021 13:53
ANTIMONY	ND		1	UG/L	10	12/16/2021 13:53
SELENIUM	ND		10	UG/L	10	12/16/2021 13:53
THALLIUM	ND		0.15	UG/L	10	12/16/2021 13:53
URANIUM	3		0.1	UG/L	10	12/16/2021 13:53
VANADIUM	ND		5	UG/L	10	12/16/2021 13:53
ZINC	ND		100	UG/L	10	12/16/2021 13:53
Ion Chromatography		EPA300.0			Prep Date: 12/14/2021	PrepBy: AOW
CHLORIDE	6		1	MG/L	5	12/14/2021 12:39
FLUORIDE	ND		0.5	MG/L	5	12/14/2021 12:39
SULFATE	74		5	MG/L	5	12/14/2021 12:39
Dissolved Mercury		SW7470			Prep Date: 12/17/2021	PrepBy: JSD
MERCURY	ND		0.0002	MG/L	1	12/17/2021 14:32
Nitrate/Nitrite as N		EPA353.2			Prep Date: 12/17/2021	PrepBy: AOW
NITRATE/NITRITE AS N	ND		0.2	MG/L	10	12/17/2021 10:43
pH		SM4500-H			Prep Date: 12/13/2021	PrepBy: KRL
PH	7.37		0.1	pH	1	12/13/2021
Total Cyanide		SW9014			Prep Date: 12/20/2021	PrepBy: AOW
CYANIDE, TOTAL	ND		0.015	MG/L	1	12/20/2021
Total Dissolved Solids		SM2540C			Prep Date: 12/13/2021	PrepBy: BMK

Client: Telesto Solutions Inc **Date:** 20-Dec-21
Project: 360100 LRM - Knox Pit **Work Order:** 2112184
Sample ID: MW-19 **Lab ID:** 2112184-7
Legal Location: **Matrix:** WATER
Collection Date: 12/8/2021 15:31 **Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TOTAL DISSOLVED SOLIDS	190		20	MG/L	1	12/15/2021

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
 U or ND - Result is less than the sample specific MDC.
 Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
 Y2 - Chemical Yield outside default limits.
 W - DER is greater than Warning Limit of 1.42
 * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
 # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
 G - Sample density differs by more than 15% of LCS density.
 D - DER is greater than Control Limit
 M - Requested MDC not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
 L - LCS Recovery below lower control limit.
 H - LCS Recovery above upper control limit.
 P - LCS, Matrix Spike Recovery within control limits.
 N - Matrix Spike Recovery outside control limits
 NC - Not Calculated for duplicate results less than 5 times MDC
 B - Analyte concentration greater than MDC.
 B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
 U or ND - Indicates that the compound was analyzed for but not detected.
 E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 M - Duplicate injection precision was not met.
 N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 * - Duplicate analysis (relative percent difference) not within control limits.
 S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
 B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
 E - Analyte concentration exceeds the upper level of the calibration range.
 J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
 A - A tentatively identified compound is a suspected aldol-condensation product.
 X - The analyte was diluted below an accurate quantitation level.
 * - The spike recovery is equal to or outside the control criteria used.
 + - The relative percent difference (RPD) equals or exceeds the control criteria.
 G - A pattern resembling gasoline was detected in this sample.
 D - A pattern resembling diesel was detected in this sample.
 M - A pattern resembling motor oil was detected in this sample.
 C - A pattern resembling crude oil was detected in this sample.
 4 - A pattern resembling JP-4 was detected in this sample.
 5 - A pattern resembling JP-5 was detected in this sample.
 H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
 L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
 Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

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Date: 12/20/2021 2:52

Client: Telesto Solutions Inc

QC BATCH REPORT

Work Order: 2112184

Project: 360100 LRM - Knox Pit

Batch ID: HG211217-1-1

Instrument ID CETAC7600

Method: SW7470

LCS	Sample ID: HG211217-1			Units: MG/L		Analysis Date: 12/17/2021 14:11					
Client ID:	Run ID: HG211217-1A1					Prep Date: 12/17/2021			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.00101	0.0002	0.001		101	80-120				20	

LCSD	Sample ID: HG211217-1			Units: MG/L			Analysis Date: 12/17/2021 14:13				
Client ID:	Run ID: HG211217-1A1						Prep Date: 12/17/2021		DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.00099	0.0002	0.001		99	80-120		0.00101	2	20	

MB	Sample ID: HG211217-1	Units: MG/L	Analysis Date: 12/17/2021 14:09
Client ID:	Run ID: HG211217-1A1	Prep Date: 12/17/2021	DF: 1
Analyte	Result	ReportLimit	Qual
MERCURY	ND	0.0002	

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
 Work Order: 2112184
 Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **IP211214-2-1** Instrument ID **ICPMS2** Method: **SW6020**

LCS		Sample ID: IM211214-2			Units: UG/L		Analysis Date: 12/16/2021 12:50				
Client ID:		Run ID: IM211216-11A10				Prep Date: 12/14/2021			DF: 10		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ALUMINUM	4920	100	5000		98	80-120				20	
ANTIMONY	30.9	1	30		103	80-120				20	
ARSENIC	108	2	100		108	80-120				20	
BARIUM	95.4	5	100		95	80-120				20	
BERYLLIUM	52.2	0.5	50		104	80-120				20	
BORON	2200	150	2000		110	80-120				20	
CADMIUM	30.4	2	30		101	80-120				20	
CALCIUM	10100	1000	10000		101	80-120				20	
CHROMIUM	496	10	500		99	80-120				20	
COBALT	103	5	100		103	80-120				20	
COPPER	994	20	1000		99	80-120				20	
IRON	4830	100	5000		97	80-120				20	
LEAD	50.3	2	50		101	80-120				20	
LITHIUM	1000	20	1000		100	80-120				20	
MAGNESIUM	10300	100	10000		103	80-120				20	
MANGANESE	97.5	10	100		98	80-120				20	
MOLYBDENUM	98.6	2	100		99	80-120				20	
NICKEL	510	20	500		102	80-120				20	
POTASSIUM	4860	1000	5000		97	80-120				20	
SELENIUM	97.5	10	100		98	80-120				20	
SILVER	9.91	0.5	10		99	80-120				20	
SODIUM	9590	1000	10000		96	80-120				20	
THALLIUM	1.99	0.15	2		100	80-120				20	
URANIUM	9.92	0.1	10		99	80-120				20	
VANADIUM	96.1	5	100		96	80-120				20	
ZINC	2050	100	2000		103	80-120				20	

Client: Telesto Solutions Inc
 Work Order: 2112184
 Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **IP211214-2-1** Instrument ID **ICPMS2** Method: **SW6020**

LCSD Sample ID: **IM211214-2** Units: **UG/L** Analysis Date: **12/16/2021 12:56**

Client ID: Run ID: **IM211216-11A10** Prep Date: **12/14/2021** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ALUMINUM	4780	100	5000		96	80-120		4920	3	20	
ANTIMONY	30.8	1	30		103	80-120		30.9	0	20	
ARSENIC	102	2	100		102	80-120		108	5	20	
BARIUM	97.8	5	100		98	80-120		95.4	2	20	
BERYLLIUM	51.6	0.5	50		103	80-120		52.2	1	20	
BORON	2240	150	2000		112	80-120		2200	2	20	
CADMIUM	29.9	2	30		100	80-120		30.4	2	20	
CALCIUM	10000	1000	10000		100	80-120		10100	1	20	
CHROMIUM	497	10	500		99	80-120		496	0	20	
COBALT	102	5	100		102	80-120		103	1	20	
COPPER	1020	20	1000		102	80-120		994	2	20	
IRON	4920	100	5000		98	80-120		4830	2	20	
LEAD	50	2	50		100	80-120		50.3	1	20	
LITHIUM	995	20	1000		99	80-120		1000	1	20	
MAGNESIUM	10100	100	10000		101	80-120		10300	2	20	
MANGANESE	94.7	10	100		95	80-120		97.5	3	20	
MOLYBDENUM	98	2	100		98	80-120		98.6	1	20	
NICKEL	512	20	500		102	80-120		510	0	20	
POTASSIUM	4770	1000	5000		95	80-120		4860	2	20	
SELENIUM	106	10	100		106	80-120		97.5	8	20	
SILVER	10.2	0.5	10		102	80-120		9.91	3	20	
SODIUM	9760	1000	10000		98	80-120		9590	2	20	
THALLIUM	1.96	0.15	2		98	80-120		1.99	2	20	
URANIUM	10	0.1	10		101	80-120		9.92	1	20	
VANADIUM	94.4	5	100		94	80-120		96.1	2	20	
ZINC	2110	100	2000		105	80-120		2050	3	20	

Client: Telesto Solutions Inc
Work Order: 2112184
Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **IP211214-2-1** Instrument ID **ICPMS2** Method: **SW6020**

MB Sample ID: **IP211214-2** Units: **UG/L** Analysis Date: **12/16/2021 12:47**
Client ID: Run ID: **IM211216-11A10** Prep Date: **12/14/2021** DF: **10**

Analyte	Result	ReportLimit	Qual
ALUMINUM	ND	100	
ANTIMONY	ND	1	
ARSENIC	ND	2	
BARIUM	ND	5	
BERYLLIUM	ND	0.5	
BORON	ND	150	
CADMIUM	ND	2	
CALCIUM	ND	1000	
CHROMIUM	ND	10	
COBALT	ND	5	
COPPER	ND	20	
IRON	ND	100	
LEAD	ND	2	
LITHIUM	ND	20	
MAGNESIUM	ND	100	
MANGANESE	ND	10	
MOLYBDENUM	ND	2	
NICKEL	ND	20	
POTASSIUM	ND	1000	
SELENIUM	ND	10	
SILVER	ND	0.5	
SODIUM	ND	1000	
THALLIUM	ND	0.15	
URANIUM	ND	0.1	
VANADIUM	ND	5	
ZINC	ND	100	

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
Work Order: 2112184
Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **AK211213-1-1** Instrument ID **NONE** Method: **SM2320B**

LCS	Sample ID: AK211213-1			Units: MG/L			Analysis Date: 12/13/2021				
Client ID:	Run ID: AK211213-1A1			Prep Date: 12/13/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL ALKALINITY AS CaCO3	99.6	5	100		99	85-115				15	

MB	Sample ID: AK211213-1			Units: MG/L			Analysis Date: 12/13/2021				
Client ID:	Run ID: AK211213-1A1			Prep Date: 12/13/2021			DF: 1				
Analyte	Result	ReportLimit									Qual
BICARBONATE AS CaCO3	ND	5									
CARBONATE AS CaCO3	ND	5									
TOTAL ALKALINITY AS CaCO3	ND	5									

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
Work Order: 2112184
Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **CN211220-1-1** Instrument ID **Spec** Method: **SW9014**

LCS	Sample ID: CN211220-1			Units: MG/L			Analysis Date: 12/20/2021				
Client ID:		Run ID: CN211220-1A1			Prep Date: 12/20/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CYANIDE, TOTAL	0.21	0.015	0.2		105	85-115				30	

LCSD	Sample ID: CN211220-1			Units: MG/L			Analysis Date: 12/20/2021				
Client ID:	Run ID: CN211220-1A1			Prep Date: 12/20/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CYANIDE, TOTAL	0.212	0.015	0.2		106	85-115		0.21	1	30	

MB		Sample ID: CN211220-1		Units: MG/L		Analysis Date: 12/20/2021	
Client ID:		Run ID: CN211220-1A1		Prep Date: 12/20/2021		DF: 1	
Analyte		Result	ReportLimit				
CYANIDE, TOTAL		ND	0.015				

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
 Work Order: 2112184
 Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **IC211214-1-1** Instrument ID **IC3** Method: **EPA300.0**

LCS	Sample ID: IC211214-1				Units: MG/L		Analysis Date: 12/14/2021 11:32				
Client ID:	Run ID: IC211214-1A1				Prep Date: 12/14/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
FLUORIDE	5.28	0.1	5		106	90-110				15	
CHLORIDE	10.6	0.2	10		106	90-110				15	
SULFATE	51.1	1	50		102	90-110				15	

LCSD	Sample ID: IC211214-1				Units: MG/L		Analysis Date: 12/14/2021 13:58				
Client ID:		Run ID: IC211214-1A1				Prep Date: 12/14/2021			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
FLUORIDE	5.34	0.1	5		107	90-110		5.28	1	15	
CHLORIDE	10.8	0.2	10		108	90-110		10.6	2	15	
SULFATE	51.9	1	50		104	90-110		51.1	2	15	

MB	Sample ID: IC211214-1			Units: MG/L			Analysis Date: 12/14/2021 12:51		
Client ID:		Run ID: IC211214-1A1			Prep Date: 12/14/2021			DF: 1	
Analyte		Result	ReportLimit		Qual				
FLUORIDE		ND	0.1						
CHLORIDE		ND	0.2						
SULFATE		ND	1						

MS	Sample ID: 2112184-4				Units: MG/L			Analysis Date: 12/14/2021 12:21			
Client ID: 03-Blank			Run ID: IC211214-1A1			Prep Date: 12/14/2021			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
FLUORIDE	2.04	0.1	2	0.1	102	85-115				15	
CHLORIDE	5.78	0.2	5	0.68	102	85-115				15	
SULFATE	21.2	1	20	1.5	99	85-115				15	

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
Work Order: 2112184
Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **NN211217-1-1** Instrument ID: **Lachat** Method: **EPA353.2**

LCS	Sample ID: NN211217-1			Units: MG/L			Analysis Date: 12/17/2021 10:34				
Client ID:	Run ID: NN211217-1A1			Prep Date: 12/17/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
NITRATE/NITRITE AS N	0.499	0.02	0.5		100	90-110				20	

LCSD	Sample ID: NN211217-1			Units: MG/L			Analysis Date: 12/17/2021 10:35				
Client ID:	Run ID: NN211217-1A1			Prep Date: 12/17/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
NITRATE/NITRITE AS N	0.495	0.02	0.5		99	90-110		0.499	1	20	

MB	Sample ID: NN211217-1			Units: MG/L	Analysis Date: 12/17/2021 10:33		
Client ID:		Run ID: NN211217-1A1			Prep Date: 12/17/2021		DF: 1
Analyte		Result	ReportLimit		Qual		
NITRATE/NITRITE AS N		ND	0.02				

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		

Client: Telesto Solutions Inc
Work Order: 2112184
Project: 360100 LRM - Knox Pit

QC BATCH REPORT

Batch ID: **TD211213-1-1** Instrument ID **Balance** Method: **SM2540C**

DUP		Sample ID: 2112184-1			Units: MG/L		Analysis Date: 12/15/2021				
Client ID: MW-06		Run ID: TD211215-1A1					Prep Date: 12/13/2021		DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	1970	20						2000	2	14	

LCS	Sample ID: TD211213-1			Units: MG/L			Analysis Date: 12/15/2021				
Client ID:		Run ID: TD211215-1A1			Prep Date: 12/13/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	450	20	400		112	85-115				14	

LCSD	Sample ID: TD211213-1			Units: MG/L			Analysis Date: 12/15/2021				
Client ID:	Run ID: TD211215-1A1			Prep Date: 12/13/2021			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	363	20	400		91	85-115		450	21	14	*

MB		Sample ID: TD211213-1		Units: MG/L		Analysis Date: 12/15/2021	
Client ID:		Run ID: TD211215-1A1		Prep Date: 12/13/2021		DF: 1	
Analyte		Result	ReportLimit				
TOTAL DISSOLVED SOLIDS		ND	20				

The following samples were analyzed in this batch:

2112184-1	2112184-2	2112184-3
2112184-4	2112184-5	2112184-6
2112184-7		