

Sampling Location: Dunn Pit: MW-03	Sample Date	12/15/2023	12/15/2023	12/15/2023	12/15/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type	Primary	Primary	Duplicate	Duplicate		
	Depth to Water: 9.05 feet						
Analyte List	Value Units	Total	Dissolved	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.0125	0.0160	0.0390	ND	0.01	5**
ANTIMONY	MG/L	ND	ND	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	ND	ND	0.002	0.01
BARIUM	MG/L	0.0276	0.0342	0.0317	0.0314	0.004	2
BERYLLIUM	MG/L	ND	ND	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	384	--	388	--	5	
BORON	MG/L	0.365	0.328	0.412	0.404	0.02	0.75 **
CADMIUM	MG/L	ND	ND	ND	ND	0.002	0.005
CALCIUM	MG/L	252	281	298	279	10	
CARBONATE AS CaCO3	MG/L	ND	--	ND	--	5	
CHLORIDE	MG/L	67.6	--	68.1	--	2.5	250
CHROMIUM	MG/L	ND	ND	ND	ND	0.004	0.1
COBALT	MG/L	ND	ND	ND	ND	0.005	0.05 **
COPPER	MG/L	ND	0.00221	0.00219	0.00217	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	ND	ND	0	0.005	0.2
FLUORIDE	MG/L	0.736	--	0.657	--	0.5	2 **
IRON	MG/L	ND	ND	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	ND	ND	0.002	0.05
LITHIUM	MG/L	0.0356	0.0240	0.0404	0.0414	0.005	2.5 **
MAGNESIUM	MG/L	227	250	268	249	4	
MANGANESE	MG/L	0.541	0.120	0.604	0.614	0.005	0.05
MERCURY	MG/L	ND	ND	ND	0	0.0002	0.002
MOLYBDENUM	MG/L	ND	ND	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	0.00218	0.00297	0.002	0.1
NITRATE AS N	MG/L	7.99	--	8.10	--	0.5	10
NITRATE/NITRITE AS N	MG/L	7.76	--	7.92	--	2	10
NITRITE AS N	MG/L	ND	--	ND	--	0.5	1
PH	PH	7.40 H	--	7.45 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	4.48	5.01	5.01	5.10	0.2	
SELENIUM	MG/L	0.0157	0.00441	0.0180	0.0194	0.002	0.02 **
SILVER	MG/L	ND	ND	ND	ND	0.002	0.05
SODIUM	MG/L	258	316	305	298	4	
SULFATE	MG/L	2250	--	2270	--	25	250
THALLIUM	MG/L	ND	ND	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	384	--	388	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	3220	--	2990	--	10	1.25 x background value***
URANIUM	MG/L	0.0350	0.0568	0.0400	0.0393	0.005	0.03
VANADIUM	MG/L	ND	ND	ND	ND	0.005	0.1 **
ZINC	MG/L	ND	ND	ND	0.0159	0.004	2 **

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Sampling Location: Dunn Pit: MW-05	Sample Date	12/15/2023	12/15/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type	Primary	Primary		
	Depth to Water:		9.47 feet		
Analyte List	Value Units	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	0.0160	0.01	5**
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.0357	0.0342	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	406	--	5	
BORON	MG/L	0.320	0.328	0.02	0.75 **
CADMIUM	MG/L	ND	ND	0.002	0.005
CALCIUM	MG/L	274	281	10	
CARBONATE AS CaCO3	MG/L	ND	--	5	
CHLORIDE	MG/L	83.9	--	2.5	250
CHROMIUM	MG/L	ND	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	0.05 **
COPPER	MG/L	0.0031	0.0022	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	0.753	--	0.5	2 **
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.0242	0.0240	0.005	2.5 **
MAGNESIUM	MG/L	252	250	4	
MANGANESE	MG/L	0.123	0.120	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	0.002	0.1
NITRATE AS N	MG/L	0.703	--	0.5	10
NITRATE/NITRITE AS N	MG/L	ND	--	2	10
NITRITE AS N	MG/L	ND	--	0.5	1
PH	PH	7.44 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	4.92	5.01	0.2	
SELENIUM	MG/L	0.00411	0.00441	0.002	0.02 **
SILVER	MG/L	ND	ND	0.002	0.05
SODIUM	MG/L	270	316	4	
SULFATE	MG/L	2330	--	25	250
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	406	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	3240	--	10	1.25 x background value***
URANIUM	MG/L	0.0595	0.0568	0.005	0.03
VANADIUM	MG/L	ND	ND	0.005	0.1 **
ZINC	MG/L	ND	ND	0.004	2 **

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Sampling Location: Dunn Pit: MW-07	Sample Date	12/14/2023	12/14/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type	Primary	Primary		
	Depth to Water:		7.50 feet		
Analyte List	Value Units	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.551	0.0786	0.01	5**
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.0462	0.0428	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	262	--	5	
BORON	MG/L	0.212	0.198	0.02	0.75 **
CADMIUM	MG/L	ND	ND	0.002	0.005
CALCIUM	MG/L	97.5	99.2	10	
CARBONATE AS CaCO3	MG/L	ND	--	5	
CHLORIDE	MG/L	102	--	2.5	250
CHROMIUM	MG/L	0.00408	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	0.05 **
COPPER	MG/L	0.00203	ND	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	0.960	--	0.5	2 **
IRON	MG/L	0.454	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.0177	0.0162	0.005	2.5 **
MAGNESIUM	MG/L	80.4	81.3	4	
MANGANESE	MG/L	0.0115	0.00606	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	0.002	0.1
NITRATE AS N	MG/L	1.78	--	0.5	10
NITRATE/NITRITE AS N	MG/L	ND	--	2	10
NITRITE AS N	MG/L	ND	--	0.5	1
PH	PH	7.25 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	9.12	9.15	0.2	
SELENIUM	MG/L	0.00373	0.00393	0.002	0.02 **
SILVER	MG/L	ND	ND	0.002	0.05
SODIUM	MG/L	94.3	97.0	4	
SULFATE	MG/L	571	--	25	250
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	262	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	868	--	10	1.25 x background value***
URANIUM	MG/L	0.0422	0.0449	0.005	0.03
VANADIUM	MG/L	0.00929	ND	0.005	0.1 **
ZINC	MG/L	ND	ND	0.004	2 **

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Sampling Location: Dunn Pit: MW-08	Sample Date 12/14/2023		12/14/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type		Primary		
	Depth to Water:		7.98 ft		
Analyte List	Value Units	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.0175	ND	0.01	5**
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.118	0.113	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	307	--	5	
BORON	MG/L	0.265	0.227	0.02	0.75 **
CADMIUM	MG/L	ND	ND	0.002	0.005
CALCIUM	MG/L	145	138	10	
CARBONATE AS CaCO3	MG/L	ND	--	5	
CHLORIDE	MG/L	85.1	--	2.5	250
CHROMIUM	MG/L	0.00408	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	0.05 **
COPPER	MG/L	0.00391	0.00230	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	0.960	--	0.5	2 **
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.0097	0.0088	0.005	2.5 **
MAGNESIUM	MG/L	128	121	4	
MANGANESE	MG/L	0.0200	0.0197	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	0.0064	0.0059	0.005	0.21
NICKEL	MG/L	ND	ND	0.002	0.1
NITRATE AS N	MG/L	5.91	--	0.5	10
NITRATE/NITRITE AS N	MG/L	5.80	--	2	10
NITRITE AS N	MG/L	ND	--	0.5	1
PH	PH	7.45 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	4.95	4.53	0.2	
SELENIUM	MG/L	0.0124	0.0123	0.002	0.02 **
SILVER	MG/L	ND	ND	0.002	0.05
SODIUM	MG/L	132	126	4	
SULFATE	MG/L	853	--	25	250
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	307	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	1290	--	10	1.25 x background value***
URANIUM	MG/L	0.0603	0.0614	0.005	0.03
VANADIUM	MG/L	0.00747	ND	0.005	0.1 **
ZINC	MG/L	ND	ND	0.004	2 **

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Sampling Location: Dunn Pit: MW-09	Sample Date	12/14/2023	12/14/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type	Primary	Primary		
	Depth to Water: 10.91 feet				
Analyte List	Value Units	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	0.0489	0.0136	0.01	5**
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	0.0258	0.0235	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	272	--	5	
BORON	MG/L	0.221	0.204	0.02	0.75 **
CADMIUM	MG/L	ND	ND	0.002	0.005
CALCIUM	MG/L	131	126	10	
CARBONATE AS CaCO3	MG/L	ND	--	5	
CHLORIDE	MG/L	53.6	--	2.5	250
CHROMIUM	MG/L	0.00412	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	0.05 **
COPPER	MG/L	ND	ND	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	0.0000	0.005	0.2
FLUORIDE	MG/L	0.815	--	0.5	2 **
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	0.0233	0.0201	0.005	2.5 **
MAGNESIUM	MG/L	82.7	78.9	4	
MANGANESE	MG/L	0.103	0.0952	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	0.002	0.1
NITRATE AS N	MG/L	3.88	--	0.5	10
NITRATE/NITRITE AS N	MG/L	4.15	--	2	10
NITRITE AS N	MG/L	ND	--	0.5	1
PH	PH	7.51 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	4.42	4.18	0.2	
SELENIUM	MG/L	0.00343	0.00365	0.002	0.02 **
SILVER	MG/L	ND	ND	0.002	0.05
SODIUM	MG/L	105	101	4	
SULFATE	MG/L	620	--	25	250
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	272	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	1020	--	10	1.25 x background value***
URANIUM	MG/L	0.0363	0.0360	0.005	0.03
VANADIUM	MG/L	0.00821	ND	0.005	0.1 **
ZINC	MG/L	ND	ND	0.004	2 **

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Sampling Location: Dunn Pit: 03-Blank	Sample Date	12/14/2023	12/14/2023	Loveland Ready-Mix Concrete, Inc. - Dunn Pit: Permit No. M-2021-059	
	Sample Type	Field Blank	Field Blank		
	Distilled Water				
Analyte List	Value Units	Total	Dissolved	Detection Limit	Water Quality Standard *
ALUMINUM	MG/L	ND	ND	0.01	5**
ANTIMONY	MG/L	ND	ND	0.002	0.006
ARSENIC	MG/L	ND	ND	0.002	0.01
BARIUM	MG/L	ND	ND	0.004	2
BERYLLIUM	MG/L	ND	ND	0.002	0.004
BICARBONATE AS CaCO3	MG/L	ND	--	5	
BORON	MG/L	ND	ND	0.02	0.75 **
CADMIUM	MG/L	ND	ND	0.002	0.005
CALCIUM	MG/L	ND	ND	10	
CARBONATE AS CaCO3	MG/L	ND	--	5	
CHLORIDE	MG/L	ND	--	2.5	250
CHROMIUM	MG/L	0.00423	ND	0.004	0.1
COBALT	MG/L	ND	ND	0.005	0.05 **
COPPER	MG/L	ND	ND	0.002	0.2 **
CYANIDE TOTAL	MG/L	ND	ND	0.005	0.2
FLUORIDE	MG/L	ND	--	0.5	2 **
IRON	MG/L	ND	ND	0.2	0.3
LEAD	MG/L	ND	ND	0.002	0.05
LITHIUM	MG/L	ND	ND	0.005	2.5 **
MAGNESIUM	MG/L	ND	ND	4	
MANGANESE	MG/L	ND	ND	0.005	0.05
MERCURY	MG/L	ND	ND	0.0002	0.002
MOLYBDENUM	MG/L	ND	ND	0.005	0.21
NICKEL	MG/L	ND	ND	0.002	0.1
NITRATE AS N	MG/L	ND	--	0.5	10
NITRATE/NITRITE AS N	MG/L	ND	--	2	10
NITRITE AS N	MG/L	ND	--	0.5	1
PH	PH	5.57 H	--	0.1	6.5-8.5
POTASSIUM	MG/L	ND	ND	0.2	
SELENIUM	MG/L	ND	ND	0.002	0.02 **
SILVER	MG/L	ND	ND	0.002	0.05
SODIUM	MG/L	0.300	ND	4	
SULFATE	MG/L	ND	--	25	250
THALLIUM	MG/L	ND	ND	0.002	0.002
TOTAL ALKALINITY AS CaCO3	MG/L	ND	--	20	
TOTAL DISSOLVED SOLIDS	MG/L	12.0	--	10	1.25 x background value***
URANIUM	MG/L	ND	ND	0.005	0.0168 to 0.03
VANADIUM	MG/L	0.0102	0.00547	0.005	0.1 **
ZINC	MG/L	ND	ND	0.004	2 **

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December 20, 2023

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

Work Order: **HS23121100**

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

Dear Tim Gerken,

ALS Environmental received 3 sample(s) on Dec 16, 2023 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER

Tyler Monroe

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
Work Order: HS23121100

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23121100-01	MW-05	Water		15-Dec-2023 11:40	16-Dec-2023 10:25	☐
HS23121100-02	MW-03	Water		15-Dec-2023 14:07	16-Dec-2023 10:25	☐
HS23121100-03	02-MW-03	Water		15-Dec-2023 14:15	16-Dec-2023 10:25	☐

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
Work Order: HS23121100

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: 204983,204988**

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

Metals by Method SW6020A**Batch ID: 204948****Sample ID: HS23120765-02MS**

- MS and MSD are for an unrelated sample

Batch ID: 204946**Sample ID: MW-05 (HS23121100-01MS)**

- Thallium failed for MS but passed on MSD and PDS
 - The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Calcium,Magnesium,Sodium)
- Sample ID: MW-05 (HS23121100-01SD)**
- The percent difference between the results of the sample and the serial dilution were greater than 10%. (Magnesium)

WetChemistry by Method SM4500H+ B**Batch ID: R454608**

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

WetChemistry by Method SM2320B**Batch ID: R454606**

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

WetChemistry by Method M2540C**Batch ID: R454578**

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

WetChemistry by Method E300**Batch ID: R454412****Sample ID: 02-MW-03 (HS23121100-03)**

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

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
Work Order: HS23121100

CASE NARRATIVE

WetChemistry by Method E300

Batch ID: R454373

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

WetChemistry by Method SW9014

Batch ID: 204960

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-05
 Collection Date: 15-Dec-2023 11:40

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	ND		0.0100	mg/L	1	18-Dec-2023 15:31
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Barium	0.0357		0.00400	mg/L	1	18-Dec-2023 15:31
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Boron	0.320		0.0200	mg/L	1	18-Dec-2023 15:31
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Calcium	274		50.0	mg/L	100	19-Dec-2023 12:56
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 15:31
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 15:31
Copper	0.00306		0.00200	mg/L	1	18-Dec-2023 15:31
Iron	ND		0.200	mg/L	1	18-Dec-2023 15:31
Lead	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Lithium	0.0242		0.00500	mg/L	1	18-Dec-2023 15:31
Magnesium	252		20.0	mg/L	100	19-Dec-2023 12:56
Manganese	0.123		0.00500	mg/L	1	18-Dec-2023 15:31
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 15:31
Nickel	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Potassium	4.92		0.200	mg/L	1	18-Dec-2023 15:31
Selenium	0.00411		0.00200	mg/L	1	18-Dec-2023 15:31
Silver	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Sodium	270		20.0	mg/L	100	19-Dec-2023 13:19
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 15:31
Uranium	0.0595		0.00500	mg/L	1	18-Dec-2023 15:31
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 15:31
Zinc	ND		0.00400	mg/L	1	18-Dec-2023 15:31

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-05
 Collection Date: 15-Dec-2023 11:40

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	0.0160		0.0100	mg/L	1	18-Dec-2023 14:24
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Barium	0.0342		0.00400	mg/L	1	18-Dec-2023 14:24
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Boron	0.328		0.0200	mg/L	1	18-Dec-2023 14:24
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Calcium	281		50.0	mg/L	100	19-Dec-2023 14:45
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 14:24
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 14:24
Copper	0.00221		0.00200	mg/L	1	18-Dec-2023 14:24
Iron	ND		0.200	mg/L	1	18-Dec-2023 14:24
Lead	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Lithium	0.0240		0.00500	mg/L	1	18-Dec-2023 14:24
Magnesium	250		20.0	mg/L	100	19-Dec-2023 14:45
Manganese	0.120		0.00500	mg/L	1	18-Dec-2023 14:24
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 14:24
Nickel	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Potassium	5.01		0.200	mg/L	1	18-Dec-2023 14:24
Selenium	0.00441		0.00200	mg/L	1	18-Dec-2023 14:24
Silver	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Sodium	316		20.0	mg/L	100	19-Dec-2023 14:45
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 14:24
Uranium	0.0568		0.00500	mg/L	1	18-Dec-2023 14:24
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 14:24
Zinc	ND		0.00400	mg/L	1	18-Dec-2023 14:24
MERCURY BY SW7470A		Method:SW7470A		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 17:12
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 18:56
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	83.9		1.00	mg/L	2	16-Dec-2023 16:50
Fluoride	0.753		0.200	mg/L	2	16-Dec-2023 16:50
Nitrogen, Nitrate (As N)	0.703		0.200	mg/L	2	16-Dec-2023 16:50
Nitrogen, Nitrite (As N)	ND		0.200	mg/L	2	16-Dec-2023 16:50
Sulfate	2,330		20.0	mg/L	40	16-Dec-2023 16:56
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	ND		2.00	mg/L	10	17-Dec-2023 21:20

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-05
 Collection Date: 15-Dec-2023 11:40

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	3,240		10.0	mg/L	1	18-Dec-2023 12:27
ALKALINITY BY -2011		Method:SM2320B		Analyst: DW		
Alkalinity, Bicarbonate (As CaCO ₃)	406		5.00	mg/L	1	19-Dec-2023 14:12
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	19-Dec-2023 14:12
Alkalinity, Total (As CaCO ₃)	406		5.00	mg/L	1	19-Dec-2023 14:12
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: DW		
pH	7.44	H	0.100	pH Units	1	19-Dec-2023 14:12
Temp Deg C @pH	18.6	H	0	°C	1	19-Dec-2023 14:12
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 18-Dec-2023		Analyst: JAC
Cyanide	ND		0.00500	mg/L	1	19-Dec-2023 15:13

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-03
 Collection Date: 15-Dec-2023 14:07

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	0.0125		0.0100	mg/L	1	18-Dec-2023 15:41
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Barium	0.0276		0.00400	mg/L	1	18-Dec-2023 15:41
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Boron	0.365		0.0200	mg/L	1	18-Dec-2023 15:41
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Calcium	252		50.0	mg/L	100	19-Dec-2023 15:06
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 15:41
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 15:41
Copper	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Iron	ND		0.200	mg/L	1	18-Dec-2023 15:41
Lead	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Lithium	0.0356		0.00500	mg/L	1	18-Dec-2023 15:41
Magnesium	227		20.0	mg/L	100	19-Dec-2023 15:06
Manganese	0.541		0.00500	mg/L	1	18-Dec-2023 15:41
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 15:41
Nickel	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Potassium	4.48		0.200	mg/L	1	18-Dec-2023 15:41
Selenium	0.0157		0.00200	mg/L	1	18-Dec-2023 15:41
Silver	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Sodium	258		20.0	mg/L	100	19-Dec-2023 15:06
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 15:41
Uranium	0.0350		0.00500	mg/L	1	18-Dec-2023 15:41
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 15:41
Zinc	ND		0.00400	mg/L	1	18-Dec-2023 15:41

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-03
 Collection Date: 15-Dec-2023 14:07

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	0.0255		0.0100	mg/L	1	18-Dec-2023 14:26
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Barium	0.0324		0.00400	mg/L	1	18-Dec-2023 14:26
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Boron	0.411		0.0200	mg/L	1	18-Dec-2023 14:26
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Calcium	271		50.0	mg/L	100	19-Dec-2023 14:47
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 14:26
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 14:26
Copper	0.00214		0.00200	mg/L	1	18-Dec-2023 14:26
Iron	ND		0.200	mg/L	1	18-Dec-2023 14:26
Lead	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Lithium	0.0421		0.00500	mg/L	1	18-Dec-2023 14:26
Magnesium	238		20.0	mg/L	100	19-Dec-2023 14:47
Manganese	0.626		0.00500	mg/L	1	18-Dec-2023 14:26
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 14:26
Nickel	0.00220		0.00200	mg/L	1	18-Dec-2023 14:26
Potassium	5.21		0.200	mg/L	1	18-Dec-2023 14:26
Selenium	0.0189		0.00200	mg/L	1	18-Dec-2023 14:26
Silver	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Sodium	301		20.0	mg/L	100	19-Dec-2023 14:47
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 14:26
Uranium	0.0400		0.00500	mg/L	1	18-Dec-2023 14:26
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 14:26
Zinc	ND		0.00400	mg/L	1	18-Dec-2023 14:26
MERCURY BY SW7470A		Method:SW7470A		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 17:14
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 19:06
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	67.6		1.00	mg/L	2	16-Dec-2023 17:02
Fluoride	0.736		0.200	mg/L	2	16-Dec-2023 17:02
Nitrogen, Nitrate (As N)	7.99		0.200	mg/L	2	16-Dec-2023 17:02
Nitrogen, Nitrite (As N)	ND		0.200	mg/L	2	16-Dec-2023 17:02
Sulfate	2,250		20.0	mg/L	40	16-Dec-2023 17:08
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	7.76		2.00	mg/L	10	17-Dec-2023 21:25

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: MW-03
 Collection Date: 15-Dec-2023 14:07

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC		
Total Dissolved Solids (Residue, Filterable)	3,220		10.0	mg/L	1	18-Dec-2023 12:27
ALKALINITY BY -2011		Method:SM2320B		Analyst: DW		
Alkalinity, Bicarbonate (As CaCO ₃)	384		5.00	mg/L	1	19-Dec-2023 14:17
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	19-Dec-2023 14:17
Alkalinity, Total (As CaCO ₃)	384		5.00	mg/L	1	19-Dec-2023 14:17
PH BY SM4500H+ B-2011		Method:SM4500H+ B		Analyst: DW		
pH	7.40	H	0.100	pH Units	1	19-Dec-2023 14:17
Temp Deg C @pH	18.8	H	0	°C	1	19-Dec-2023 14:17
CYANIDE - SW9014		Method:SW9014		Prep:SW9010C / 18-Dec-2023		Analyst: JAC
Cyanide	ND		0.00500	mg/L	1	19-Dec-2023 15:13

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: 02-MW-03
 Collection Date: 15-Dec-2023 14:15

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-03
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	0.0390		0.0100	mg/L	1	18-Dec-2023 15:43
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Barium	0.0317		0.00400	mg/L	1	18-Dec-2023 15:43
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Boron	0.412		0.0200	mg/L	1	18-Dec-2023 15:43
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Calcium	298		50.0	mg/L	100	19-Dec-2023 15:08
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 15:43
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 15:43
Copper	0.00219		0.00200	mg/L	1	18-Dec-2023 15:43
Iron	ND		0.200	mg/L	1	18-Dec-2023 15:43
Lead	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Lithium	0.0404		0.00500	mg/L	1	18-Dec-2023 15:43
Magnesium	268		20.0	mg/L	100	19-Dec-2023 15:08
Manganese	0.604		0.00500	mg/L	1	18-Dec-2023 15:43
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 15:43
Nickel	0.00218		0.00200	mg/L	1	18-Dec-2023 15:43
Potassium	5.01		0.200	mg/L	1	18-Dec-2023 15:43
Selenium	0.0180		0.00200	mg/L	1	18-Dec-2023 15:43
Silver	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Sodium	305		20.0	mg/L	100	19-Dec-2023 15:08
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 15:43
Uranium	0.0400		0.00500	mg/L	1	18-Dec-2023 15:43
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 15:43
Zinc	ND		0.00400	mg/L	1	18-Dec-2023 15:43

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

Client: Telesto Solutions Inc
 Project: LRM-Dunn Pit
 Sample ID: 02-MW-03
 Collection Date: 15-Dec-2023 14:15

ANALYTICAL REPORT

WorkOrder:HS23121100
 Lab ID:HS23121100-03
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 18-Dec-2023		Analyst: MSC
Aluminum	ND		0.0100	mg/L	1	18-Dec-2023 14:28
Antimony	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Arsenic	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Barium	0.0314		0.00400	mg/L	1	18-Dec-2023 14:28
Beryllium	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Boron	0.404		0.0200	mg/L	1	18-Dec-2023 14:28
Cadmium	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Calcium	279		50.0	mg/L	100	19-Dec-2023 14:49
Chromium	ND		0.00400	mg/L	1	18-Dec-2023 14:28
Cobalt	ND		0.00500	mg/L	1	18-Dec-2023 14:28
Copper	0.00217		0.00200	mg/L	1	18-Dec-2023 14:28
Iron	ND		0.200	mg/L	1	18-Dec-2023 14:28
Lead	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Lithium	0.0414		0.00500	mg/L	1	18-Dec-2023 14:28
Magnesium	249		20.0	mg/L	100	19-Dec-2023 14:49
Manganese	0.614		0.00500	mg/L	1	18-Dec-2023 14:28
Molybdenum	ND		0.00500	mg/L	1	18-Dec-2023 14:28
Nickel	0.00297		0.00200	mg/L	1	18-Dec-2023 14:28
Potassium	5.10		0.200	mg/L	1	18-Dec-2023 14:28
Selenium	0.0194		0.00200	mg/L	1	18-Dec-2023 14:28
Silver	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Sodium	298		20.0	mg/L	100	19-Dec-2023 14:49
Thallium	ND		0.00200	mg/L	1	18-Dec-2023 14:28
Uranium	0.0393		0.00500	mg/L	1	18-Dec-2023 14:28
Vanadium	ND		0.00500	mg/L	1	18-Dec-2023 14:28
Zinc	0.0159		0.00400	mg/L	1	18-Dec-2023 14:28
MERCURY BY SW7470A		Method:SW7470A		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 17:16
DISSOLVED MERCURY BY SW7470A		Method:SW7470A (dissolved)		Prep:SW7470A / 18-Dec-2023		Analyst: JS
Mercury	ND		0.000200	mg/L	1	18-Dec-2023 19:08
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Chloride	68.1		1.00	mg/L	2	16-Dec-2023 17:43
Fluoride	0.657		0.200	mg/L	2	16-Dec-2023 17:43
Nitrogen, Nitrate (As N)	8.10		0.200	mg/L	2	16-Dec-2023 17:43
Nitrogen, Nitrite (As N)	ND		0.200	mg/L	2	16-Dec-2023 17:43
Sulfate	2,270		20.0	mg/L	40	16-Dec-2023 17:48
NITRATE/NITRITE BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrate/Nitrite (as N)	7.92		2.00	mg/L	10	17-Dec-2023 21:31

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

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
Sample ID: 02-MW-03
Collection Date: 15-Dec-2023 14:15

ANALYTICAL REPORT

WorkOrder:HS23121100
Lab ID:HS23121100-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM2540C -2011			Method:M2540C			Analyst: DC
Total Dissolved Solids (Residue, Filterable)	2,990		10.0	mg/L	1	18-Dec-2023 12:27
ALKALINITY BY -2011			Method:SM2320B			Analyst: DW
Alkalinity, Bicarbonate (As CaCO3)	388		5.00	mg/L	1	19-Dec-2023 14:34
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	19-Dec-2023 14:34
Alkalinity, Total (As CaCO3)	388		5.00	mg/L	1	19-Dec-2023 14:34
PH BY SM4500H+ B-2011			Method:SM4500H+ B			Analyst: DW
pH	7.45	H	0.100	pH Units	1	19-Dec-2023 14:34
Temp Deg C @pH	17.9	H	0	°C	1	19-Dec-2023 14:34
CYANIDE - SW9014			Method:SW9014			Prep:SW9010C / 18-Dec-2023 Analyst: JAC
Cyanide	ND		0.00500	mg/L	1	19-Dec-2023 15:13

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

Weight / Prep Log

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

Batch ID: 204946 **Start Date:** 18 Dec 2023 09:00 **End Date:** 18 Dec 2023 09:00**Method:** WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121100-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23121100-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23121100-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 204948 **Start Date:** 18 Dec 2023 08:30 **End Date:** 18 Dec 2023 08:30**Method:** DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121100-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23121100-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23121100-03		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 204960 **Start Date:** 18 Dec 2023 09:00 **End Date:** 18 Dec 2023 09:00**Method:** CYANIDE PREP - SW9010C **Prep Code:** CN_TW_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121100-01		50 (mL)	50 (mL)	1	120 ml HCL
HS23121100-02		50 (mL)	50 (mL)	1	120 ml HCL
HS23121100-03		50 (mL)	50 (mL)	1	120 ml HCL

Batch ID: 204983 **Start Date:** 18 Dec 2023 08:30 **End Date:** 18 Dec 2023 08:30**Method:** MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121100-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23121100-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23121100-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 204988 **Start Date:** 18 Dec 2023 09:30 **End Date:** 18 Dec 2023 09:30**Method:** MERCURY PREP BY 7470A - DISSOLVED **Prep Code:** HG_W_DISSPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23121100-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23121100-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23121100-03		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 204946 (0)		Test Name : ICP-MS METALS BY SW6020A			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 09:00	19 Dec 2023 13:19	100
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 09:00	19 Dec 2023 12:56	100
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 09:00	18 Dec 2023 15:31	1
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 09:00	19 Dec 2023 15:06	100
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 09:00	18 Dec 2023 15:41	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 09:00	19 Dec 2023 15:08	100
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 09:00	18 Dec 2023 15:43	1
Batch ID: 204948 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 08:30	19 Dec 2023 14:45	100
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 08:30	18 Dec 2023 14:24	1
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 08:30	19 Dec 2023 14:47	100
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 08:30	18 Dec 2023 14:26	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 08:30	19 Dec 2023 14:49	100
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 08:30	18 Dec 2023 14:28	1
Batch ID: 204960 (0)		Test Name : CYANIDE - SW9014			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 09:00	19 Dec 2023 15:13	1
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 09:00	19 Dec 2023 15:13	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 09:00	19 Dec 2023 15:13	1
Batch ID: 204983 (0)		Test Name : MERCURY BY SW7470A			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 08:30	18 Dec 2023 17:12	1
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 08:30	18 Dec 2023 17:14	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 08:30	18 Dec 2023 17:16	1
Batch ID: 204988 (0)		Test Name : DISSOLVED MERCURY BY SW7470A			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40		18 Dec 2023 09:30	18 Dec 2023 18:56	1
HS23121100-02	MW-03	15 Dec 2023 14:07		18 Dec 2023 09:30	18 Dec 2023 19:06	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15		18 Dec 2023 09:30	18 Dec 2023 19:08	1
Batch ID: R454373 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40			16 Dec 2023 16:56	40
HS23121100-01	MW-05	15 Dec 2023 11:40			16 Dec 2023 16:50	2
HS23121100-02	MW-03	15 Dec 2023 14:07			16 Dec 2023 17:08	40
HS23121100-02	MW-03	15 Dec 2023 14:07			16 Dec 2023 17:02	2
HS23121100-03	02-MW-03	15 Dec 2023 14:15			16 Dec 2023 17:48	40
HS23121100-03	02-MW-03	15 Dec 2023 14:15			16 Dec 2023 17:43	2
Batch ID: R454412 (0)		Test Name : NITRATE/NITRITE BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40			17 Dec 2023 21:20	10
HS23121100-02	MW-03	15 Dec 2023 14:07			17 Dec 2023 21:25	10
HS23121100-03	02-MW-03	15 Dec 2023 14:15			17 Dec 2023 21:31	10

Client: Telesto Solutions Inc**Project:** LRM-Dunn Pit**WorkOrder:** HS23121100**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R454578 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40			18 Dec 2023 12:27	1
HS23121100-02	MW-03	15 Dec 2023 14:07			18 Dec 2023 12:27	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15			18 Dec 2023 12:27	1
Batch ID: R454606 (0)		Test Name : ALKALINITY BY -2011			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40			19 Dec 2023 14:12	1
HS23121100-02	MW-03	15 Dec 2023 14:07			19 Dec 2023 14:17	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15			19 Dec 2023 14:34	1
Batch ID: R454608 (0)		Test Name : PH BY SM4500H+ B-2011			Matrix: Water	
HS23121100-01	MW-05	15 Dec 2023 11:40			19 Dec 2023 14:12	1
HS23121100-02	MW-03	15 Dec 2023 14:07			19 Dec 2023 14:17	1
HS23121100-03	02-MW-03	15 Dec 2023 14:15			19 Dec 2023 14:34	1

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
MBLK	Sample ID: MBLK-204946	Units: mg/L		Analysis Date: 18-Dec-2023 15:18					
Client ID:	Run ID: ICPMS06_454439	SeqNo: 7734999		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
LCS		Sample ID: LCS-204946		Units: mg/L		Analysis Date: 18-Dec-2023 15:20			
Client ID:		Run ID: ICPMS06_454439		SeqNo: 7735000		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.103	0.0100	0.1	0	103	80 - 120			
Antimony	0.04948	0.00200	0.05	0	99.0	80 - 120			
Arsenic	0.0485	0.00200	0.05	0	97.0	80 - 120			
Barium	0.04914	0.00400	0.05	0	98.3	80 - 120			
Beryllium	0.04442	0.00200	0.05	0	88.8	80 - 120			
Boron	0.4836	0.0200	0.5	0	96.7	80 - 120			
Cadmium	0.04933	0.00200	0.05	0	98.7	80 - 120			
Calcium	4.815	0.500	5	0	96.3	80 - 120			
Chromium	0.04974	0.00400	0.05	0	99.5	80 - 120			
Cobalt	0.04966	0.00500	0.05	0	99.3	80 - 120			
Copper	0.05095	0.00200	0.05	0	102	80 - 120			
Iron	4.958	0.200	5	0	99.2	80 - 120			
Lead	0.04843	0.00200	0.05	0	96.9	80 - 120			
Lithium	0.08708	0.00500	0.1	0	87.1	80 - 120			
Magnesium	5.139	0.200	5	0	103	80 - 120			
Manganese	0.04907	0.00500	0.05	0	98.1	80 - 120			
Molybdenum	0.04665	0.00500	0.05	0	93.3	80 - 120			
Nickel	0.05097	0.00200	0.05	0	102	80 - 120			
Potassium	4.878	0.200	5	0	97.6	80 - 120			
Selenium	0.04627	0.00200	0.05	0	92.5	80 - 120			
Silver	0.04686	0.00200	0.05	0	93.7	80 - 120			
Sodium	5.136	0.200	5	0	103	80 - 120			
Uranium	0.09336	0.00500	0.1	0	93.4	80 - 120			
Vanadium	0.05054	0.00500	0.05	0	101	80 - 120			
Zinc	0.05027	0.00400	0.05	0	101	80 - 120			

LCS		Sample ID: LCS-204946		Units: mg/L		Analysis Date: 19-Dec-2023 12:35			
Client ID:		Run ID: ICPMS06_454574		SeqNo: 7737186		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Thallium	0.04684	0.00200	0.05	0	93.7	80 - 120			

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
MS		Sample ID: HS23121100-01MS		Units: mg/L		Analysis Date: 18-Dec-2023 15:35			
Client ID: MW-05		Run ID: ICPMS06_454439		SeqNo: 7735007		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.09983	0.0100	0.1	0.007694	92.1	80 - 120			
Antimony	0.04604	0.00200	0.05	0.000177	91.7	80 - 120			
Arsenic	0.0465	0.00200	0.05	0.000782	91.4	80 - 120			
Barium	0.08266	0.00400	0.05	0.03574	93.8	80 - 120			
Beryllium	0.04197	0.00200	0.05	0.000013	83.9	80 - 120			
Boron	0.807	0.0200	0.5	0.3197	97.5	80 - 120			
Cadmium	0.04626	0.00200	0.05	0.000048	92.4	80 - 120			
Calcium	297.3	0.500	5	288.1	184	80 - 120			SEO
Chromium	0.04727	0.00400	0.05	0.000851	92.8	80 - 120			
Cobalt	0.04774	0.00500	0.05	0.001066	93.3	80 - 120			
Copper	0.04958	0.00200	0.05	0.003056	93.0	80 - 120			
Iron	4.632	0.200	5	0.008175	92.5	80 - 120			
Lead	0.04704	0.00200	0.05	0.00002	94.0	80 - 120			
Lithium	0.1074	0.00500	0.1	0.0242	83.2	80 - 120			
Magnesium	262.2	0.200	5	250.9	225	80 - 120			SEO
Manganese	0.171	0.00500	0.05	0.1229	96.1	80 - 120			
Molybdenum	0.04762	0.00500	0.05	0.002815	89.6	80 - 120			
Nickel	0.0485	0.00200	0.05	0.001744	93.5	80 - 120			
Potassium	9.601	0.200	5	4.915	93.7	80 - 120			
Selenium	0.04818	0.00200	0.05	0.00411	88.1	80 - 120			
Silver	0.04166	0.00200	0.05	0.000017	83.3	80 - 120			
Sodium	275.3	0.200	5	265.6	194	80 - 120			SEO
Thallium	0.03816	0.00200	0.05	-0.000027	76.4	80 - 120			S
Uranium	0.156	0.00500	0.1	0.05953	96.5	80 - 120			
Vanadium	0.05095	0.00500	0.05	0.00302	95.9	80 - 120			
Zinc	0.04586	0.00400	0.05	0.001574	88.6	80 - 120			

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
MSD		Sample ID: HS23121100-01MSD		Units: mg/L		Analysis Date: 18-Dec-2023 15:37			
Client ID: MW-05		Run ID: ICPMS06_454439		SeqNo: 7735008		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1007	0.0100	0.1	0.007694	93.0	80 - 120	0.09983	0.841	20
Antimony	0.04803	0.00200	0.05	0.000177	95.7	80 - 120	0.04604	4.24	20
Arsenic	0.04877	0.00200	0.05	0.000782	96.0	80 - 120	0.0465	4.76	20
Barium	0.08494	0.00400	0.05	0.03574	98.4	80 - 120	0.08266	2.72	20
Beryllium	0.04418	0.00200	0.05	0.000013	88.3	80 - 120	0.04197	5.13	20
Boron	0.8481	0.0200	0.5	0.3197	106	80 - 120	0.807	4.97	20
Cadmium	0.04922	0.00200	0.05	0.000048	98.3	80 - 120	0.04626	6.19	20
Calcium	292.3	0.500	5	288.1	83.6	80 - 120	297.3	1.71	20 EO
Chromium	0.0491	0.00400	0.05	0.000851	96.5	80 - 120	0.04727	3.81	20
Cobalt	0.0491	0.00500	0.05	0.001066	96.1	80 - 120	0.04774	2.8	20
Copper	0.05129	0.00200	0.05	0.003056	96.5	80 - 120	0.04958	3.4	20
Iron	5.086	0.200	5	0.008175	102	80 - 120	4.632	9.33	20
Lead	0.04996	0.00200	0.05	0.00002	99.9	80 - 120	0.04704	6.02	20
Lithium	0.109	0.00500	0.1	0.0242	84.8	80 - 120	0.1074	1.48	20
Magnesium	259.8	0.200	5	250.9	179	80 - 120	262.2	0.885	20 SEO
Manganese	0.1712	0.00500	0.05	0.1229	96.7	80 - 120	0.171	0.171	20
Molybdenum	0.05124	0.00500	0.05	0.002815	96.9	80 - 120	0.04762	7.33	20
Nickel	0.05046	0.00200	0.05	0.001744	97.4	80 - 120	0.0485	3.96	20
Potassium	9.729	0.200	5	4.915	96.3	80 - 120	9.601	1.32	20
Selenium	0.05002	0.00200	0.05	0.00411	91.8	80 - 120	0.04818	3.76	20
Silver	0.04516	0.00200	0.05	0.000017	90.3	80 - 120	0.04166	8.08	20
Sodium	272.9	0.200	5	265.6	145	80 - 120	275.3	0.893	20 SEO
Thallium	0.0407	0.00200	0.05	-0.000027	81.4	80 - 120	0.03816	6.44	20
Uranium	0.1592	0.00500	0.1	0.05953	99.6	80 - 120	0.156	2.02	20
Vanadium	0.0533	0.00500	0.05	0.00302	101	80 - 120	0.05095	4.5	20
Zinc	0.04639	0.00400	0.05	0.001574	89.6	80 - 120	0.04586	1.14	20

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
PDS	Sample ID: HS23121100-01PDS	Units: mg/L		Analysis Date: 18-Dec-2023 15:39					
Client ID: MW-05	Run ID: ICPMS06_454439		SeqNo: 7735009		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Aluminum	0.103	0.0100	0.1	0.007694	95.3	75 - 125			
Antimony	0.08759	0.00200	0.1	0.000177	87.4	75 - 125			
Arsenic	0.09124	0.00200	0.1	0.000782	90.5	75 - 125			
Barium	0.1264	0.00400	0.1	0.03574	90.6	75 - 125			
Beryllium	0.0847	0.00200	0.1	0.000013	84.7	75 - 125			
Boron	0.8937	0.0200	0.5	0.3197	115	75 - 125			
Cadmium	0.09191	0.00200	0.1	0.000048	91.9	75 - 125			
Chromium	0.094	0.00400	0.1	0.000851	93.2	75 - 125			
Cobalt	0.0945	0.00500	0.1	0.001066	93.4	75 - 125			
Copper	0.09651	0.00200	0.1	0.003056	93.4	75 - 125			
Iron	9.355	0.200	10	0.008175	93.5	75 - 125			
Lead	0.09426	0.00200	0.1	0.00002	94.2	75 - 125			
Lithium	0.1115	0.00500	0.1	0.0242	87.3	70 - 125			
Manganese	0.2118	0.00500	0.1	0.1229	88.9	75 - 125			
Molybdenum	0.09396	0.00500	0.1	0.002815	91.2	75 - 125			
Nickel	0.09507	0.00200	0.1	0.001744	93.3	75 - 125			
Potassium	14	0.200	10	4.915	90.9	75 - 125			
Selenium	0.09194	0.00200	0.1	0.00411	87.8	75 - 125			
Silver	0.08645	0.00200	0.1	0.000017	86.4	75 - 125			
Thallium	0.09538	0.00200	0.1	-0.000027	95.4	75 - 125			
Uranium	0.1519	0.00500	0.1	0.05953	92.4	75 - 125			
Vanadium	0.1003	0.00500	0.1	0.00302	97.3	75 - 125			
Zinc	0.09243	0.00400	0.1	0.001574	90.9	75 - 125			

PDS	Sample ID: HS23121100-01PDS	Units: mg/L		Analysis Date: 19-Dec-2023 13:00					
Client ID: MW-05	Run ID: ICPMS06_454574		SeqNo: 7737212		PrepDate: 18-Dec-2023		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Calcium	1200	50.0	1000	273.6	92.7	75 - 125			
Magnesium	1224	20.0	1000	251.7	97.2	75 - 125			
Sodium	1250	20.0	1000	302.7	94.7	75 - 125			

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
SD		Sample ID: HS23121100-01SD		Units: mg/L		Analysis Date: 18-Dec-2023 15:33			
Client ID: MW-05		Run ID: ICPMS06_454439		SeqNo: 7735006		PrepDate: 18-Dec-2023		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	ND	0.0500					0.007694	0	10
Antimony	ND	0.0100					0.000177	0	10
Arsenic	0.00241	0.0100					0.000782	0	10 J
Barium	0.03583	0.0200					0.03574	0.246	10
Beryllium	ND	0.0100					0.000013	0	10
Boron	0.3492	0.100					0.3197	9.23	10
Cadmium	ND	0.0100					0.000048	0	10
Chromium	0.002994	0.0200					0.000851	0	10 J
Cobalt	0.00102	0.0250					0.001066	0	10 J
Copper	ND	0.0100					0.003056	0	10
Iron	ND	1.00					0.008175	0	10
Lead	ND	0.0100					0.00002	0	10
Lithium	0.02451	0.0250					0.0242	0	10 J
Manganese	0.1251	0.0250					0.1229	1.84	10
Molybdenum	ND	0.0250					0.002815	0	10
Nickel	ND	0.0100					0.001744	0	10
Potassium	5.1	1.00					4.915	3.76	10
Selenium	ND	0.0100					0.00411	0	10
Silver	ND	0.0100					0.000017	0	10
Thallium	ND	0.0100					-0.000027	0	10
Uranium	0.05602	0.0250					0.05953	5.9	10
Vanadium	0.0161	0.0250					0.00302	0	10 J
Zinc	ND	0.0200					0.001574	0	10

SD		Sample ID: HS23121100-01SD		Units: mg/L		Analysis Date: 19-Dec-2023 12:58			
Client ID: MW-05		Run ID: ICPMS06_454574		SeqNo: 7737217		PrepDate: 18-Dec-2023		DF: 500	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Calcium	286.5	250					273.6	4.74	10
Magnesium	282.3	100					251.7	12.2	10 R

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204946 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
SD	Sample ID: HS23121100-01SD	Units: mg/L		Analysis Date: 19-Dec-2023 13:21					
Client ID: MW-05	Run ID: ICPMS06_454574		SeqNo: 7737240		PrepDate: 18-Dec-2023		DF: 500		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Sodium	294.3	100					302.7	2.77	10
The following samples were analyzed in this batch:									
HS23121100-01HS23121100-02HS23121100-03									

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLKF2-204948	Units: mg/L		Analysis Date: 18-Dec-2023 15:14					
Client ID:	Run ID: ICPMS06_454439	SeqNo: 7735027		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLKF1-204948	Units: mg/L		Analysis Date: 18-Dec-2023 13:19					
Client ID:	Run ID: ICPMS06_454439		SeqNo: 7734507		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Antimony	ND	0.00200							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Beryllium	ND	0.00200							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Calcium	ND	0.500							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Lithium	ND	0.00500							
Magnesium	ND	0.200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Potassium	ND	0.200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Sodium	ND	0.200							
Thallium	ND	0.00200							
Uranium	ND	0.00500							
Vanadium	ND	0.00500							
Zinc	ND	0.00400							

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-204948	Units: mg/L		Analysis Date: 18-Dec-2023 15:10					
Client ID:	Run ID: ICPMS06_454439		SeqNo: 7735025		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

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

MBLK	Sample ID: MBLK-204948	Units: mg/L		Analysis Date: 18-Dec-2023 15:12					
Client ID:	Run ID: ICPMS06_454439		SeqNo: 7735026		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Beryllium	ND	0.00200							
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Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
LCS	Sample ID: LCS-204948	Units: mg/L			Analysis Date: 18-Dec-2023 13:21				
Client ID:	Run ID: ICPMS06_454439		SeqNo: 7734508		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.09595	0.0100	0.1	0	95.9	80 - 120			
Antimony	0.04499	0.00200	0.05	0	90.0	80 - 120			
Arsenic	0.04489	0.00200	0.05	0	89.8	80 - 120			
Beryllium	0.04261	0.00200	0.05	0	85.2	80 - 120			
Boron	0.4334	0.0200	0.5	0	86.7	80 - 120			
Cadmium	0.04789	0.00200	0.05	0	95.8	80 - 120			
Calcium	4.596	0.500	5	0	91.9	80 - 120			
Chromium	0.04668	0.00400	0.05	0	93.4	80 - 120			
Cobalt	0.04739	0.00500	0.05	0	94.8	80 - 120			
Copper	0.04805	0.00200	0.05	0	96.1	80 - 120			
Iron	4.699	0.200	5	0	94.0	80 - 120			
Lead	0.04656	0.00200	0.05	0	93.1	80 - 120			
Lithium	0.08848	0.00500	0.1	0	88.5	80 - 120			
Magnesium	4.766	0.200	5	0	95.3	80 - 120			
Manganese	0.0476	0.00500	0.05	0	95.2	80 - 120			
Molybdenum	0.04504	0.00500	0.05	0	90.1	80 - 120			
Nickel	0.04824	0.00200	0.05	0	96.5	80 - 120			
Potassium	4.662	0.200	5	0	93.2	80 - 120			
Selenium	0.04406	0.00200	0.05	0	88.1	80 - 120			
Silver	0.04564	0.00200	0.05	0	91.3	80 - 120			
Sodium	4.822	0.200	5	0	96.4	80 - 120			
Thallium	0.04552	0.00200	0.05	0	91.0	80 - 120			
Uranium	0.08795	0.00500	0.1	0	88.0	80 - 120			
Vanadium	0.04791	0.00500	0.05	0	95.8	80 - 120			
Zinc	0.04638	0.00400	0.05	0	92.8	80 - 120			

LCS	Sample ID: LCS-204948	Units: mg/L			Analysis Date: 18-Dec-2023 15:24				
Client ID:	Run ID: ICPMS06_454439		SeqNo: 7735028		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Beryllium	0.04391	0.00200	0.05	0	87.8	80 - 120			

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MS		Sample ID: HS23120765-02MS		Units: mg/L		Analysis Date: 18-Dec-2023 14:19			
Client ID:		Run ID: ICPMS06_454439		SeqNo: 7734764		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.11	0.0100	0.05	0.01348	193	75 - 125			S
Antimony	0.051	0.00200	0.05	0.000167	102	75 - 125			
Arsenic	0.05236	0.00200	0.05	0.002683	99.4	75 - 125			
Barium	0.1611	0.00400	0.05	0.1019	118	75 - 125			
Beryllium	0.0486	0.00200	0.05	0.000011	97.2	75 - 125			
Boron	1.371	0.0200	0.5	0.7979	115	75 - 125			E
Cadmium	0.05067	0.00200	0.05	-0.000005	101	75 - 125			
Calcium	32.82	0.500	5	25.9	138	75 - 125			SO
Chromium	0.05073	0.00400	0.05	0.000912	99.6	75 - 125			
Cobalt	0.0515	0.00500	0.05	0.001581	99.8	75 - 125			
Copper	0.05108	0.00200	0.05	0.000048	102	75 - 125			
Iron	8.722	0.200	5	3.329	108	75 - 125			
Lead	0.05064	0.00200	0.05	0.000013	101	75 - 125			
Lithium	0.09615	0.00500	0.1	0.001004	95.1	75 - 125			
Magnesium	27.8	0.200	5	20.5	146	75 - 125			SO
Manganese	2.369	0.00500	0.05	2.124	491	75 - 125			SEO
Molybdenum	0.05003	0.00500	0.05	0.000624	98.8	75 - 125			
Nickel	0.05651	0.00200	0.05	0.005442	102	75 - 125			
Potassium	5.655	0.200	5	0.6044	101	75 - 125			
Selenium	0.05004	0.00200	0.05	0.00058	98.9	75 - 125			
Silver	0.04768	0.00200	0.05	0.000012	95.3	75 - 125			
Sodium	59.15	0.200	5	49.75	188	75 - 125			SO
Thallium	0.04145	0.00200	0.05	-0.000026	83.0	75 - 125			
Uranium	0.09672	0.00500	0.1	0.000048	96.7	75 - 125			
Vanadium	0.0514	0.00500	0.05	0.001114	101	75 - 125			
Zinc	0.05243	0.00400	0.05	0.003675	97.5	75 - 125			

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MSD		Sample ID: HS23120765-02MSD		Units: mg/L		Analysis Date: 18-Dec-2023 14:21			
Client ID:		Run ID: ICPMS06_454439		SeqNo: 7734765		PrepDate: 18-Dec-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1066	0.0100	0.1	0.01348	93.1	75 - 125	0.11	3.16	20
Antimony	0.0506	0.00200	0.05	0.000167	101	75 - 125	0.051	0.782	20
Arsenic	0.05232	0.00200	0.05	0.002683	99.3	75 - 125	0.05236	0.0745	20
Barium	0.1628	0.00400	0.05	0.1019	122	75 - 125	0.1611	1.04	20
Beryllium	0.04843	0.00200	0.05	0.000011	96.8	75 - 125	0.0486	0.361	20
Boron	1.387	0.0200	0.5	0.7979	118	75 - 125	1.371	1.15	20 E
Cadmium	0.05104	0.00200	0.05	-0.000005	102	75 - 125	0.05067	0.722	20
Calcium	33.33	0.500	5	25.9	149	75 - 125	32.82	1.54	20 SO
Chromium	0.0506	0.00400	0.05	0.000912	99.4	75 - 125	0.05073	0.274	20
Cobalt	0.05163	0.00500	0.05	0.001581	100	75 - 125	0.0515	0.258	20
Copper	0.05129	0.00200	0.05	0.000048	102	75 - 125	0.05108	0.41	20
Iron	8.689	0.200	5	3.329	107	75 - 125	8.722	0.378	20
Lead	0.05015	0.00200	0.05	0.000013	100	75 - 125	0.05064	0.972	20
Lithium	0.08778	0.00500	0.1	0.001004	86.8	75 - 125	0.09615	9.1	20
Magnesium	27.79	0.200	5	20.5	146	75 - 125	27.8	0.0396	20 SO
Manganese	2.416	0.00500	0.05	2.124	585	75 - 125	2.369	1.97	20 SEO
Molybdenum	0.04839	0.00500	0.05	0.000624	95.5	75 - 125	0.05003	3.34	20
Nickel	0.05617	0.00200	0.05	0.005442	101	75 - 125	0.05651	0.609	20
Potassium	5.589	0.200	5	0.6044	99.7	75 - 125	5.655	1.17	20
Selenium	0.04983	0.00200	0.05	0.00058	98.5	75 - 125	0.05004	0.423	20
Silver	0.04722	0.00200	0.05	0.000012	94.4	75 - 125	0.04768	0.972	20
Sodium	60.09	0.200	5	49.75	207	75 - 125	59.15	1.58	20 SO
Thallium	0.04172	0.00200	0.05	-0.000026	83.5	75 - 125	0.04145	0.625	20
Uranium	0.09853	0.00500	0.1	0.000048	98.5	75 - 125	0.09672	1.85	20
Vanadium	0.05065	0.00500	0.05	0.001114	99.1	75 - 125	0.0514	1.48	20
Zinc	0.0528	0.00400	0.05	0.003675	98.3	75 - 125	0.05243	0.697	20

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS23120765-02PDS		Units: mg/L		Analysis Date: 18-Dec-2023 14:23			
Client ID:		Run ID: ICPMS06_454439		SeqNo: 7734766		PrepDate: 18-Dec-2023		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	0.01348	88.7	75 - 125			
Antimony	0.097	0.00200	0.1	0.000167	96.8	75 - 125			
Arsenic	0.09732	0.00200	0.1	0.002683	94.6	75 - 125			
Barium	0.2071	0.00400	0.1	0.1019	105	75 - 125			
Beryllium	0.09244	0.00200	0.1	0.000011	92.4	75 - 125			
Cadmium	0.1002	0.00200	0.1	-0.000005	100	75 - 125			
Calcium	36.02	0.500	10	25.9	101	75 - 125			
Chromium	0.09524	0.00400	0.1	0.000912	94.3	75 - 125			
Cobalt	0.09543	0.00500	0.1	0.001581	93.8	75 - 125			
Copper	0.09651	0.00200	0.1	0.000048	96.5	75 - 125			
Iron	12.93	0.200	10	3.329	96.0	75 - 125			
Lead	0.0965	0.00200	0.1	0.000013	96.5	75 - 125			
Lithium	0.09284	0.00500	0.1	0.001004	91.8	75 - 125			
Magnesium	31.2	0.200	10	20.5	107	75 - 125			
Molybdenum	0.09513	0.00500	0.1	0.000624	94.5	75 - 125			
Nickel	0.103	0.00200	0.1	0.005442	97.5	75 - 125			
Potassium	9.831	0.200	10	0.6044	92.3	75 - 125			
Selenium	0.09405	0.00200	0.1	0.00058	93.5	75 - 125			
Silver	0.0961	0.00200	0.1	0.000012	96.1	75 - 125			
Thallium	0.08042	0.00200	0.1	-0.000026	80.4	75 - 125			
Uranium	0.09473	0.00500	0.1	0.000048	94.7	75 - 125			
Vanadium	0.0957	0.00500	0.1	0.001114	94.6	75 - 125			
Zinc	0.09652	0.00400	0.1	0.003675	92.8	75 - 125			

PDS		Sample ID: HS23120765-02PDS		Units: mg/L		Analysis Date: 19-Dec-2023 14:39			
Client ID:		Run ID: ICPMS06_454574		SeqNo: 7737931		PrepDate: 18-Dec-2023		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Boron	11.14	0.400	10	0.9109	102	75 - 125			
Manganese	4.127	0.100	2	2.359	88.4	75 - 125			
Sodium	248.5	4.00	200	56.98	95.8	75 - 125			

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204948 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS23120765-02SD		Units: mg/L		Analysis Date: 18-Dec-2023 14:17			
Client ID:		Run ID: ICPMS06_454439		SeqNo: 7734763		PrepDate: 18-Dec-2023		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Aluminum	0.009771	0.0500					0.01348	0 10	J
Antimony	ND	0.0100					0.000167	0 10	
Arsenic	0.003471	0.0100					0.002683	0 10	J
Barium	0.1099	0.0200					0.1019	7.86 10	
Beryllium	ND	0.0100					0.000011	0 10	
Cadmium	ND	0.0100					-0.000005	0 10	
Calcium	28.44	2.50					25.9	9.78 10	
Chromium	0.004267	0.0200					0.000912	0 10	J
Cobalt	0.001577	0.0250					0.001581	0 10	J
Copper	ND	0.0100					0.000048	0 10	
Lead	ND	0.0100					0.000013	0 10	
Lithium	ND	0.0250					0.001004	0 10	
Molybdenum	ND	0.0250					0.000624	0 10	
Nickel	0.006303	0.0100					0.005442	0 10	J
Potassium	0.8059	1.00					0.6044	0 10	J
Selenium	ND	0.0100					0.00058	0 10	
Silver	ND	0.0100					0.000012	0 10	
Thallium	ND	0.0100					-0.000026	0 10	
Uranium	ND	0.0250					0.000048	0 10	
Vanadium	0.00864	0.0250					0.001114	0 10	J
Zinc	ND	0.0200					0.003675	0 10	

SD		Sample ID: HS23120765-02SD		Units: mg/L		Analysis Date: 19-Dec-2023 14:37			
Client ID:		Run ID: ICPMS06_454574		SeqNo: 7737930		PrepDate: 18-Dec-2023		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Boron	1.146	2.00					0.9109	0 10	J
Manganese	2.294	0.500					2.359	2.76 10	
Sodium	61.44	20.0					56.98	7.83 10	

The following samples were analyzed in this batch: HS23121100-01 HS23121100-02 HS23121100-03

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204983 (0)		Instrument: HG04		Method: MERCURY BY SW7470A						
MBLK	Sample ID: MBLK-204983	Units: mg/L		Analysis Date: 18-Dec-2023 16:11						
Client ID:	Run ID: HG04_454507		SeqNo: 7735391		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								
LCS	Sample ID: LCS-204983	Units: mg/L		Analysis Date: 18-Dec-2023 16:12						
Client ID:	Run ID: HG04_454507		SeqNo: 7735392		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00437	0.000200	0.005	0	87.4	80 - 120				
MS	Sample ID: HS23120349-03MS	Units: mg/L		Analysis Date: 18-Dec-2023 16:35						
Client ID:	Run ID: HG04_454507		SeqNo: 7735399		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00436	0.000200	0.005	0.000007	87.1	75 - 125				
MSD	Sample ID: HS23120349-03MSD	Units: mg/L		Analysis Date: 18-Dec-2023 16:37						
Client ID:	Run ID: HG04_454507		SeqNo: 7735400		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00438	0.000200	0.005	0.000007	87.5	75 - 125	0.00436	0.458	20	
The following samples were analyzed in this batch:										
HS23121100-01		HS23121100-02		HS23121100-03						

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204988 (0)		Instrument: HG04		Method: DISSOLVED MERCURY BY SW7470A (DISSOLVED)					
MBLK	Sample ID: MBLK-204988	Units: mg/L		Analysis Date: 18-Dec-2023 18:46					
Client ID:	Run ID: HG04_454507	SeqNo: 7735458		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	ND	0.000200							
LCS	Sample ID: LCS-204988	Units: mg/L		Analysis Date: 18-Dec-2023 18:48					
Client ID:	Run ID: HG04_454507	SeqNo: 7735459		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00469	0.000200	0.005	0	93.8	80 - 120			
MS	Sample ID: HS23121100-01MS	Units: mg/L		Analysis Date: 18-Dec-2023 18:58					
Client ID: MW-05	Run ID: HG04_454507	SeqNo: 7735465		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00592	0.000200	0.005	0.000011	118	80 - 120			
MSD	Sample ID: HS23121100-01MSD	Units: mg/L		Analysis Date: 18-Dec-2023 19:00					
Client ID: MW-05	Run ID: HG04_454507	SeqNo: 7735466		PrepDate: 18-Dec-2023		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Mercury	0.00565	0.000200	0.005	0.000011	113	80 - 120	0.00592	4.67	20
The following samples were analyzed in this batch:									
HS23121100-01		HS23121100-02		HS23121100-03					

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: 204960 (0)		Instrument: UV-2450		Method: CYANIDE - SW9014					
MBLK	Sample ID: MBLK-204960	Units: mg/L		Analysis Date: 19-Dec-2023 15:13					
Client ID:	Run ID: UV-2450_454631		SeqNo: 7738384		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	ND	0.00500							
LCS	Sample ID: LCS-204960	Units: mg/L		Analysis Date: 19-Dec-2023 15:13					
Client ID:	Run ID: UV-2450_454631		SeqNo: 7738383		PrepDate: 18-Dec-2023		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	95.5	80 - 120			
MS	Sample ID: HS23121051-01MS	Units: mg/L		Analysis Date: 19-Dec-2023 15:13					
Client ID:	Run ID: UV-2450_454631		SeqNo: 7738381		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.212	0.00500	0.2	0.001	106	80 - 120			
MSD	Sample ID: HS23121051-01MSD	Units: mg/L		Analysis Date: 19-Dec-2023 15:13					
Client ID:	Run ID: UV-2450_454631		SeqNo: 7738382		PrepDate: 18-Dec-2023		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Cyanide	0.218	0.00500	0.2	0.001	108	80 - 120	0.212	2.79	20
The following samples were analyzed in this batch:									
		HS23121100-01		HS23121100-02		HS23121100-03			

Client: Telesto Solutions Inc

Project: LRM-Dunn Pit

WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454373 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 16-Dec-2023 13:30					
Client ID:	Run ID: ICS-Integrion_454373		SeqNo: 7732108		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	ND	0.500							
Fluoride	ND	0.100							
Nitrogen, Nitrate (As N)	ND	0.100							
Nitrogen, Nitrite (As N)	ND	0.100							
Nitrate/Nitrite (as N)	ND	0.200							
Sulfate	ND	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 16-Dec-2023 13:36					
Client ID:	Run ID: ICS-Integrion_454373		SeqNo: 7732109		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	20.44	0.500	20	0	102	90 - 110			
Fluoride	4.278	0.100	4	0	107	90 - 110			
Nitrogen, Nitrate (As N)	4.103	0.100	4	0	103	90 - 110			
Nitrogen, Nitrite (As N)	4.138	0.100	4	0	103	90 - 110			
Nitrate/Nitrite (as N)	8.241	0.200	8	0	103	90 - 110			
Sulfate	21.46	0.500	20	0	107	90 - 110			

MS	Sample ID: HS23121103-01MS	Units: mg/L		Analysis Date: 16-Dec-2023 16:33					
Client ID:	Run ID: ICS-Integrion_454373		SeqNo: 7732133		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	492.9	5.00	100	381	112	80 - 120			
Fluoride	25.78	1.00	20	2.755	115	80 - 120			
Nitrogen, Nitrate (As N)	19.65	1.00	20	0	98.2	80 - 120			
Nitrogen, Nitrite (As N)	19.8	1.00	20	0	99.0	80 - 120			
Nitrate/Nitrite (as N)	39.45	2.00	40	0	98.6	80 - 120			
Sulfate	686.5	5.00	100	570	117	80 - 120			O

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454373 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MS		Sample ID: HS23120904-01MS		Units: mg/L		Analysis Date: 16-Dec-2023 13:54			
Client ID:		Run ID: ICS-Integrion_454373		SeqNo: 7732111		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	338.8	5.00	100	233.6	105	80 - 120			
Fluoride	20.86	1.00	20	0	104	80 - 120			
Nitrogen, Nitrate (As N)	20.12	1.00	20	0.421	98.5	80 - 120			
Nitrogen, Nitrite (As N)	20.39	1.00	20	0	102	80 - 120			
Nitrate/Nitrite (as N)	40.5	2.00	40	0.421	100	80 - 120			
Sulfate	194.1	5.00	100	89.74	104	80 - 120			

MSD		Sample ID: HS23121103-01MSD		Units: mg/L		Analysis Date: 16-Dec-2023 16:38			
Client ID:		Run ID: ICS-Integrion_454373		SeqNo: 7732134		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	493.4	5.00	100	381	112	80 - 120	492.9	0.109	20
Fluoride	25.78	1.00	20	2.755	115	80 - 120	25.78	0.00388	20
Nitrogen, Nitrate (As N)	19.73	1.00	20	0	98.6	80 - 120	19.65	0.406	20
Nitrogen, Nitrite (As N)	19.8	1.00	20	0	99.0	80 - 120	19.8	0.0253	20
Nitrate/Nitrite (as N)	39.52	2.00	40	0	98.8	80 - 120	39.45	0.19	20
Sulfate	686.7	5.00	100	570	117	80 - 120	686.5	0.0283	20 O

MSD		Sample ID: HS23120904-01MSD		Units: mg/L		Analysis Date: 16-Dec-2023 14:00			
Client ID:		Run ID: ICS-Integrion_454373		SeqNo: 7732112		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	352.1	5.00	100	233.6	119	80 - 120	338.8	3.85	20
Fluoride	19.94	1.00	20	0	99.7	80 - 120	20.86	4.52	20
Nitrogen, Nitrate (As N)	20.35	1.00	20	0.421	99.6	80 - 120	20.12	1.16	20
Nitrogen, Nitrite (As N)	20.74	1.00	20	0	104	80 - 120	20.39	1.72	20
Nitrate/Nitrite (as N)	41.09	2.00	40	0.421	102	80 - 120	40.5	1.44	20
Sulfate	196.4	5.00	100	89.74	107	80 - 120	194.1	1.15	20

The following samples were analyzed in this batch: HS23121100-01 HS23121100-02 HS23121100-03

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454412 (0)		Instrument: ICS-Integrion		Method: NITRATE/NITRITE BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 17-Dec-2023 18:59					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7732999		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)	ND	0.200							
LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 17-Dec-2023 19:05					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7733000		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)	8.348	0.200	8	0	104	90 - 110			
MS	Sample ID: HS23121015-01MS	Units: mg/L		Analysis Date: 17-Dec-2023 20:45					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7733012		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)	37.73	2.00	40	0.394	93.3	80 - 120			
MS	Sample ID: HS23121012-01MS	Units: mg/L		Analysis Date: 17-Dec-2023 19:22					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7733002		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)	41.49	2.00	40	4.153	93.4	80 - 120			
MSD	Sample ID: HS23121015-01MSD	Units: mg/L		Analysis Date: 17-Dec-2023 20:50					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7733013		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	2.00	40	0.394	96.5	80 - 120	37.73	3.32	20
MSD	Sample ID: HS23121012-01MSD	Units: mg/L		Analysis Date: 17-Dec-2023 19:28					
Client ID:	Run ID: ICS-Integrion_454412		SeqNo: 7733003		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)	42.75	2.00	40	4.153	96.5	80 - 120	41.49	2.98	20
The following samples were analyzed in this batch:									
		HS23121100-01		HS23121100-02		HS23121100-03			

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454578 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WMBLK-12182023	Units: mg/L		Analysis Date: 18-Dec-2023 12:27						
Client ID:	Run ID: Balance1_454578	SeqNo: 7737065		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)		ND	10.0							
LCS	Sample ID: WLCS-12182023	Units: mg/L		Analysis Date: 18-Dec-2023 12:27						
Client ID:	Run ID: Balance1_454578	SeqNo: 7737064		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)		1058	10.0	1000	0	106	85 - 115			
DUP	Sample ID: HS23121047-05DUP	Units: mg/L		Analysis Date: 18-Dec-2023 12:27						
Client ID:	Run ID: Balance1_454578	SeqNo: 7737058		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)		63770	10.0			63770		0.00627	20	
DUP	Sample ID: HS23120955-14DUP	Units: mg/L		Analysis Date: 18-Dec-2023 12:27						
Client ID:	Run ID: Balance1_454578	SeqNo: 7737043		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)		68	10.0			70		2.9	20	
The following samples were analyzed in this batch:		HS23121100-01		HS23121100-02		HS23121100-03				

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454606 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-12.19.2023	Units: mg/L		Analysis Date: 19-Dec-2023 12:15					
Client ID:	Run ID: Skalar 03_454606	SeqNo: 7737713		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.00							
Alkalinity, Carbonate (As CaCO3)	ND	5.00							
Alkalinity, Total (As CaCO3)	ND	5.00							

LCS	Sample ID: LCS-12.19.2023	Units: mg/L		Analysis Date: 19-Dec-2023 12:21					
Client ID:	Run ID: Skalar 03_454606	SeqNo: 7737714		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)	917.2	5.00	1000	0	91.7	85 - 115			
Alkalinity, Total (As CaCO3)	935.5	5.00	1000	0	93.6	85 - 115			

LCSD	Sample ID: LCSD-12.19.2023	Units: mg/L		Analysis Date: 19-Dec-2023 12:28					
Client ID:	Run ID: Skalar 03_454606	SeqNo: 7737715		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)	915	5.00	1000	0	91.5	85 - 115	917.2	0.24	20
Alkalinity, Total (As CaCO3)	933.6	5.00	1000	0	93.4	85 - 115	935.5	0.203	20

DUP	Sample ID: HS23120692-01DUP	Units: mg/L		Analysis Date: 19-Dec-2023 12:39					
Client ID:	Run ID: Skalar 03_454606	SeqNo: 7737717		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)	277.8	5.00					282.3	1.61	20
Alkalinity, Carbonate (As CaCO3)	ND	5.00					0	0	20
Alkalinity, Total (As CaCO3)	277.8	5.00					282.3	1.61	20

The following samples were analyzed in this batch:

HS23121100-01	HS23121100-02	HS23121100-03
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Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

QC BATCH REPORT

Batch ID: R454608 (0)		Instrument: Skalar 03		Method: PH BY SM4500H+ B-2011					
DUP	Sample ID: HS23120692-01DUP	Units: pH Units		Analysis Date: 19-Dec-2023 12:39					
Client ID:	Run ID: Skalar 03_454608		SeqNo: 7737734		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
pH	7.86	0.100					7.83	0.382	10
Temp Deg C @pH	16.1	0					16.6	3.06	10
The following samples were analyzed in this batch:									
HS23121100-01 HS23121100-02 HS23121100-03									

Client: Telesto Solutions Inc
Project: LRM-Dunn Pit
WorkOrder: HS23121100

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
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: HS23121100

Date/Time Received: 16-Dec-2023 10:25

Client Name: Telesto

Received by: Paresh M. Giga

Completed By: /S/ Paresh M. Giga

16-Dec-2023 11:46

Reviewed by: /S/ Tyler Monroe

18-Dec-2023 14:57

eSignature

Date/Time

eSignature

Date/Time

Matrices: WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐No ☐Not Present ☒

Custody seals intact on sample bottles?

Yes ☐No ☐Not Present ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

1 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:none

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

2.0C/1.9C U/C

IR31

Cooler(s)/Kit(s):

48820

Date/Time sample(s) sent to storage:

12/16/23 11:55

Water - VOA vials have zero headspace?

Yes ☐No ☐No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒No ☐N/A ☐

pH adjusted?

Yes ☐No ☒N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



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

CHAIN OF CUSTODY

Page 1 of 1

Right Solution
Right Partner

Shipping to Samples to: _____

PROJECT NAME: <u>LRM - Dunn Pit</u>		SAMPLER: <u>Tracy Cottrell</u>		TURNAROUND: ☐ 10 Day ☐ 5 Day ☐ 3 Day ☒ Other: <u>ASAP</u>													
PROJECT No: <u>360100</u>		SITE ID: _____		Parameter/Method Request for Analysis													
COMPANY NAME: <u>Telesto Solutions</u>		PURCHASE ORDER: _____		A <u>WET CHEM - NO PRESERVATIVE</u>													
SEND REPORT TO: <u>Tim Green</u>		BILL TO COMPANY: _____		B <u>Dissolved metals - Field Filtered</u>													
ADDRESS: _____		INVOICE ATTN TO: _____		C <u>Total metals</u>													
CITY / STATE / ZIP: _____		ADDRESS: _____		D <u>Cyanide</u>													
PHONE: <u>(720) 438-5513</u>		CITY / STATE / ZIP: _____		E <u>Combined NO₂/NO₃</u>													
FAX: _____		PHONE: _____		F <u>Cl, F, NO₂, NO₃, SO₄</u>													
E-MAIL: <u>tgreen@telesto-inc.com</u>		FAX: _____		G _____													
E-MAIL: _____		E-MAIL: _____		H _____													
E-MAIL: _____		E-MAIL: _____		I _____													
SAMPLE #	FIELD ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	MS/MSD	A	B	C	D	E	F	G	H	I
1	<u>MW-05</u>	<u>W</u>	<u>12/15/23</u>	<u>11:40</u>	<u>5</u>	<u>2.34</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
2	<u>MW-03</u>	<u>W</u>	<u>12/15/23</u>	<u>14:07</u>	<u>5</u>	<u>2.34</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
3	<u>02-MW-03</u>	<u>W</u>	<u>12/15/23</u>	<u>14:15</u>	<u>5</u>	<u>2.34</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
4																	
5																	
6																	
7																	
8																	
9																	
10																	

HS23121100

Telesto Solutions Inc
Telesto



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

DISPOSAL: By lab ☒ Return to Client ☐

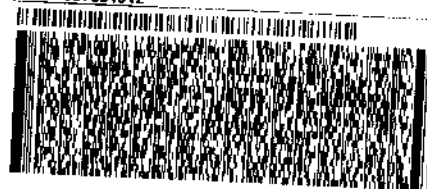
Comments: <u>48820 o/c</u> <u>2.34</u> <u>481</u> <u>012010</u>	QC PACKAGE (check below)		RELINQUISHED BY: <u>[Signature]</u>	PRINTED NAME: <u>Tracy Cottrell</u>	DATE: <u>12/15/23</u>	TIME: <u>15:04</u>	COOLER TEMP: _____
	LEVEL II (Standard QC)		RECEIVED BY: <u>Karen Craven</u>	<u>Karen Craven</u>	<u>12-15-23</u>	<u>1504</u>	
	LEVEL III (Std QC + forms)		RELINQUISHED BY: <u>Karen Craven</u>	<u>Karen Craven</u>	<u>12-15-23</u>	<u>1600</u>	
	LEVEL IV (Std QC + forms + raw data)		RECEIVED BY: <u>[Signature]</u>	<u>P. G. A.</u>	<u>12/16/23</u>	<u>10:20</u>	
			RELINQUISHED BY: _____				
Preservative: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-NaHSO ₄ 7-Other 8-4°C 9-5035							

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

SHIP DATE: 15DEC23
ACTING: 52.60 LB
CPO: 0760439/CAFE3709
DIMS: 24x14x13 IN
BILL THIRD PARTY

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

(281) 680-5656
PO: 967554812



FedEx
Express



TAK# 7122 9261 6196
(0201)

SATURDAY 1:30P
PRIORITY OVERNIGHT

NO SGRA

77099
TX-US IAH

