APPENDIX A

2023 Land Tenure

Tenure Type	Claim Name	Claim Number	Issue Date	Anniversary Date	Area (Ha)	Owner (%)
Claim	DIP 01	100039	8-Nov-21	8-Nov-24	1234.91	5833 Nunavut Ltd. (100%)
Claim	DIP 02	100040	8-Nov-21	8-Nov-24	1234.91	5833 Nunavut Ltd. (100%)
Claim	KU 1	100041	8-Nov-21	8-Nov-24	671.97	5833 Nunavut Ltd. (100%)
Claim	KU 2	100042	8-Nov-21	8-Nov-24	634.65	5833 Nunavut Ltd. (100%)
Claim	KU 3	100043	8-Nov-21	8-Nov-24	560.02	5833 Nunavut Ltd. (100%)
Claim	KU 4	100044	8-Nov-21	8-Nov-24	466.68	5833 Nunavut Ltd. (100%)
Claim	KU 5	100045	8-Nov-21	8-Nov-24	634.65	5833 Nunavut Ltd. (100%)
Claim	KU 6	100046	8-Nov-21	8-Nov-24	934.34	5833 Nunavut Ltd. (100%)
Claim	KU 7	100047	8-Nov-21	8-Nov-24	1121.20	5833 Nunavut Ltd. (100%)
Claim	KU 8	100048	8-Nov-21	8-Nov-24	1121.20	5833 Nunavut Ltd. (100%)
Claim	KU 9	100049	8-Nov-21	8-Nov-24	1121.20	5833 Nunavut Ltd. (100%)
Claim	KU 10	100050	8-Nov-21	8-Nov-24	1121.20	5833 Nunavut Ltd. (100%)
Claim	KU 11	100051	8-Nov-21	8-Nov-24	672.53	5833 Nunavut Ltd. (100%)
Claim	KU 17	100122	8-Nov-21	8-Nov-24	1122.73	5833 Nunavut Ltd. (100%)
Claim	KU 18	100123	8-Nov-21	8-Nov-24	1122.74	5833 Nunavut Ltd. (100%)
Claim	KU 19	100124	8-Nov-21	8-Nov-24	1122.74	5833 Nunavut Ltd. (100%)
Claim	KU 20	100125	8-Nov-21	8-Nov-24	1122.74	5833 Nunavut Ltd. (100%)
Claim	KU 21	100121	8-Nov-21	8-Nov-24	1197.65	5833 Nunavut Ltd. (100%)
Claim	KV 16	101144	3-Sep-21	3-Sep-27	1306.05	5833 Nunavut Ltd. (100%)
Claim	KV 27	101429	3-Sep-21	3-Sep-27	1121.15	5833 Nunavut Ltd. (100%)
Claim	VK 1	100319	13-Sep-21	13-Sep-23	1195.98	5833 Nunavut Ltd. (100%)
Claim	TAL 2	100320	1-Nov-21	1-Nov-23	1114.33	5833 Nunavut Ltd. (100%)
Claim	TAL 7	100321	1-Nov-21	1-Nov-23	1112.77	5833 Nunavut Ltd. (100%)
Claim	VGR-5	100322	18-May-21	18-May-24	1430.97	5833 Nunavut Ltd. (100%)
Claim	ANG1	101511	26-Oct-21	26-Oct-23	1234.91	5833 Nunavut Ltd. (100%)
Claim	ANG2	101513	26-Oct-21	26-Oct-23	1122.57	5833 Nunavut Ltd. (100%)
Claim	ANG3	101514	26-Oct-21	26-Oct-23	1122.57	5833 Nunavut Ltd. (100%)
Claim	ANG4	101515	26-Oct-21	26-Oct-23	934.20	5833 Nunavut Ltd. (100%)
Claim	ANG5	102065	26-Oct-21	26-Oct-23	934.20	5833 Nunavut Ltd. (100%)
Claim	ANG6	102066	26-Oct-21	26-Oct-23	1121.03	5833 Nunavut Ltd. (100%)
Claim	ANG7	102067	26-Oct-21	26-Oct-23	1121.03	5833 Nunavut Ltd. (100%)
Claim	ANG8	102068	26-Oct-21	26-Oct-23	653.17	5833 Nunavut Ltd. (100%)
Claim	ANG9	102069	26-Oct-21	26-Oct-23	802.45	5833 Nunavut Ltd. (100%)
Claim	ANG10	101516	26-Oct-21	26-Oct-23	1195.27	5833 Nunavut Ltd. (100%)
Claim	ANG11	102070	26-Oct-21	26-Oct-23	560.21	5833 Nunavut Ltd. (100%)
Claim	ANG12	101517	26-Oct-21	26-Oct-23	1175.29	5833 Nunavut Ltd. (100%)
Claim	ANG13	102071	26-Oct-21	26-Oct-23	1119.44	5833 Nunavut Ltd. (100%)
Claim	ANG14	101518	26-Oct-21	26-Oct-23	1044.84	5833 Nunavut Ltd. (100%)
Claim	ANG15	102072	26-Oct-21	26-Oct-23	1306.12	5833 Nunavut Ltd. (100%)
Claim	ANG16	101519	26-Oct-21	26-Oct-23	671.97	5833 Nunavut Ltd. (100%)
Claim	ANG17	102073	26-Oct-21	26-Oct-23	1006.53	5833 Nunavut Ltd. (100%)
Claim	ANG18	101520	26-Oct-21	26-Oct-23	1229.92	5833 Nunavut Ltd. (100%)
Claim	ANG19	102074	26-Oct-21	26-Oct-23	1006.32	5833 Nunavut Ltd. (100%)
Claim	ANG20	102075	26-Oct-21	26-Oct-23	168.10	5833 Nunavut Ltd. (100%)
Claim	ANG22	101521	26-Oct-21	26-Oct-23	1286.96	5833 Nunavut Ltd. (100%)
Claim	ANG23	101522	26-Oct-21	26-Oct-23	1120.59	5833 Nunavut Ltd. (100%)
Claim	ANG31	102733	19-Nov-21	19-Nov-23	1854.95	5833 Nunavut Ltd. (100%)
Claim	ANG32	102734	19-Nov-21	19-Nov-23	1742.48	5833 Nunavut Ltd. (100%)
Claim	ANG33	102735	19-Nov-21	19-Nov-23	1686.20	5833 Nunavut Ltd. (100%)
Claim	ANG34	102736	20-Nov-21	20-Nov-23	1010.38	5833 Nunavut Ltd. (100%)
Claim	ANG35	102737	20-Nov-21	20-Nov-23	1177.97	5833 Nunavut Ltd. (100%)
Claim	ANG36	102738	20-Nov-21	20-Nov-23	1345.89	5833 Nunavut Ltd. (100%)
Claim	ANG37	102739	20-Nov-21	20-Nov-23	1046.01	5833 Nunavut Ltd. (100%)
Claim	ANG38	102802	14-Feb-22	14-Feb-24	1867.50	5833 Nunavut Ltd. (100%)
Claim	ANG39	102803	14-Feb-22	14-Feb-24	1566.66	5833 Nunavut Ltd. (100%)
Lease	L-6247	-	29-Aug-18	28-Aug-39	198.00	5833 Nunavut Ltd. (100%)
IOL	RI30-001		1-Apr-07		7396.65	5833 Nunavut Ltd. (100%)
				Total (ha)	67329.65	

APPENDIX B

Water Quality Sample Results: July and September 2023

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 17 - 776863

Affix ALS barcode label here
(lab use only)

Environmental Division
Winnipeg
Work Order Reference
WP2315429

Telephone : +1 204 255 9720

Report To	Contact and company name below will appear on the final report
Company:	LATITUDE URANIUM INC.
Contact:	NANCY NORMORE
Phone:	306 - 270 6751
	Company address below will appear on the final report
Street:	303 - 217 QUEEN ST W
City/Province:	TORONTO ON
Postal Code:	M5V 0R2
Invoice To	Same as Report To [X] YES [ ] NO
	Copy of Invoice with Report [X] YES [ ] NO
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	[X] PDF [X] EXCEL | | EDD (DIGITAL)
Quality Control (QC) Report with Report	[X] YES | NO
[ ] Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	[X] EMAIL | | MAIL [ ] FAX
Email 1 or Fax	nnormore@latitudeuranium.com
Email 2	dcourage@latitudeuranium.com
Email 3	pschelmer@apexgeoscience.com

Invoice Distribution	
Select Invoice Distribution:	[X] EMAIL [ ] MAIL [ ] FAX
Email 1 or Fax	ap@latitudeuranium.com
Email 2	nnormore@latitudeuranium.com

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	LATITUDE URANIUM INC.	AFE/Cost Center:	PO#
Job #:		Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler: DEAN COURAGE

Select Service Level Below - Contact your

Regular [R] [ ] Standard TAT if received

PRIORITY (Business Days): 4 day [P4-20%] [ ] | 3 day [P3-25%] [ ] | 2 day [P2-50%] [ ]

EMERGENCY: 1 Bus [ ] | Same [ ] | (Labor [ ]

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level s

Anal

Indicate Filtered (F), Preserved (P) or F

ALS Sample # (lab use only)	* Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	EC-WP	HG-T-L-CVAF-WP	MET-T-L-MS-WP	PH-WP	SOLIDS-TOTSUS-LA	BOD	OIL & GREASE	FREE/TOT CHLOR	FECAL COLIFORM	SAMPLES ON HO	SUSPECTED HAZARD (see Special Instructions)
23-WT-001	WATER SAMPLES	11JUL23	~~16:00~~ 16 27	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-002	WATER SAMPLES	11JUL23	~~16:30~~ 1700	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-003	WATER SAMPLES	11JUL23	~~16:55~~ 1715	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-004	WATER SAMPLES	11JUL23	~~17:25~~ 17H28	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23WT-005	WATER SAMPLES	11JUL23	~~1800~~ 1742	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? [ ] YES [X] NO

Are samples for human consumption/ use? [X] YES | | NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

SUBSAMPLE FOR HG FROM O&G BOTTLES.

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen [ ] SIF Observations Yes [ ] No [ ]

Ice Packs [ ] Ice Cubes [ ] Custody seal intact Yes [ ] No [ ]

Cooling Initiated [ ]

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
				7.9			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
D. COURAGE	11JUL2023.	2000		JUL 13 2023	3:59			

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

JUNE 2015 FRONT

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

ALS Canada Ltd.

right solutions.
right partner.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **WP2315429**		
Client	: **Latitude Uranium Inc.**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Nancy Normore	Contact	:
Address	: 217 - 401 Queen Street West Toronto, ON Canada M5V 0R2	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
E-mail	: nnormore@labradoruranium.com	E-mail	:
Telephone	: 306 270 6751	Telephone	: +1 204 255 9720
Facsimile	: ----	Facsimile	: +1 204 255 9721
Project	: ----	Page	: 1 of 5
Purchase order number	: ----	Quote number	: WP2023LTUI1000001 (Analytical Testing)
C-O-C number	: ----	QC Level	: ALS Canada Standard Quality Control
Site	: ----		
Sampler	:		

Dates

Date Samples Received	: 13-Jul-2023 15:59	Issue Date	: 14-Jul-2023
Client Requested Due Date	: 20-Jul-2023	Scheduled Reporting Date	: 20-Jul-2023

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: ----	Temperature	: ----
Receipt Detail	:	No. of samples received / analyzed	: 5 / 5

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances (if any)
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- *Where possible, ALS will store samples for the following durations, measured from date of sample submission: 30 days for Soil and Water samples; 6 months for Tissue/Biota samples; 14 days for air samples collected on re-usable media; and 3 days for water samples submitted for microbiological testing. Longer storage times are available upon request.*
- **Temperature is recorded in °C unless otherwise noted.**

Sample Container(s)/Preservation Non-Compliances (if any)

All comparisons are made against pretreatment/preservation practices published by CCME, BC ENV, Ontario MOE, Environment Canada, Health Canada, US EPA, APHA Standard Methods, ASTM, or ISO, and comply with provincial requirements for the laboratory location.

- **No sample container/preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component.

Matrix: **Water**

Laboratory sample ID	*Client sampling date / time*	*Client sample ID*	Water - E010.FC Thermotolerant (Fecal) Coliform (Enzyme	Water - E100 Conductivity in Water (2µS/cm)	Water - E108 pH by Meter (Automated)	Water - E160-L TSS by Gravimetry (Low Level - 1mg/L)	Water - E326 Total Chlorine (Residual) by DPD Colourimetry	Water - E327 Free Chlorine (Residual) by DPD Colourimetry	Water - E420 Total Metals in Water by CRC ICPMS	Water - E508 Total Mercury in Water by CVAAS (5 ng/L)	Water - E550 Biochemical Oxygen Demand - 5 day (2 mg/L)	Water - E567 Oil & Grease by Gravimetry (5 mg/L)
WP2315429-001	11-Jul-2023 16:27	23-WT-001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WP2315429-002	11-Jul-2023 17:00	23-WT-002	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WP2315429-003	11-Jul-2023 17:15	23-WT-003	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WP2315429-004	11-Jul-2023 17:28	23-WT-004	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WP2315429-005	11-Jul-2023 17:42	23-WT-005	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Proactive Holding Time Report

The following sample(s) were received with less than half the recommended holding time remaining for the indicated tests. ALS cannot guarantee analysis for these tests within holding times.

Client Sample ID	Test Method	Recommended Holding Time
23-WT-001	E550	3 days
23-WT-002	E550	3 days
23-WT-003	E550	3 days
23-WT-004	E550	3 days
23-WT-005	E550	3 days

The following samples were received beyond the recommended holding times for the indicated tests.

Client Sample ID	Test Method	Recommended Holding Time
23-WT-001	E010.FC	30 hours
23-WT-001	E108	0.25 hours
23-WT-001	E326	0.25 hours
23-WT-001	E327	0.25 hours
23-WT-002	E010.FC	30 hours
23-WT-002	E108	0.25 hours
23-WT-002	E326	0.25 hours
23-WT-002	E327	0.25 hours
23-WT-003	E010.FC	30 hours
23-WT-003	E108	0.25 hours
23-WT-003	E326	0.25 hours
23-WT-003	E327	0.25 hours
23-WT-004	E010.FC	30 hours
23-WT-004	E108	0.25 hours
23-WT-004	E326	0.25 hours
23-WT-004	E327	0.25 hours
23-WT-005	E010.FC	30 hours
23-WT-005	E108	0.25 hours
23-WT-005	E326	0.25 hours
23-WT-005	E327	0.25 hours

Requested Deliverables

Ana Brumnic

Tax Invoice (INVOICE (CAN))	Email	ap@labradoruranium.com

Dean Courage

ALS Excel Report (ALS_MTABXL_CAN)	Email	dcourage@labradoruranium.com
Certificate of Analysis (Crosstab) (COA - CrossTab (CAN))	Email	dcourage@labradoruranium.com
Interpretive Quality Control Report (QCI (CAN))	Email	dcourage@labradoruranium.com
Quality Control (QC (CAN))	Email	dcourage@labradoruranium.com
Sample Receipt Notification (standard format) (SRN - Short (CAN))	Email	dcourage@labradoruranium.com

Nancy Normore

ALS Excel Report (ALS_MTABXL_CAN)	Email	nnormore@labradoruranium.com
Certificate of Analysis (Crosstab) (COA - CrossTab (CAN))	Email	nnormore@labradoruranium.com
Interpretive Quality Control Report (QCI (CAN))	Email	nnormore@labradoruranium.com
Quality Control (QC (CAN))	Email	nnormore@labradoruranium.com
Sample Receipt Notification (standard format) (SRN - Short (CAN))	Email	nnormore@labradoruranium.com
Tax Invoice (INVOICE (CAN))	Email	nnormore@latitudeuranium.com

Methods with Laboratory

Sale item

Method	Laboratory	Address	City	Province	Country
Biochemical Oxygen Demand - 5 day (2 mg/L)					
E550	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Conductivity in Water (2µS/cm)					
E100	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Free Chlorine (Residual) by DPD Colourimetry (0.05 mg/L)					
E327	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Oil & Grease by Gravimetry (5 mg/L)					
E567	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
pH by Meter (Automated)					
E108	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Thermotolerant (Fecal) Coliform (Enzyme Substrate)					
E010.FC	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Total Chlorine (Residual) by DPD Colourimetry (0.05 mg/L)					
E326	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Total Mercury in Water by CVAAS (5 ng/L)					
E508	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
Total Metals in Water by CRC ICPMS					
E420	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada
TSS by Gravimetry (Low Level - 1mg/L)					
E160-L	Winnipeg	1329 Niakwa Road East, Unit 1	Winnipeg	Manitoba	Canada

CERTIFICATE OF ANALYSIS

Work Order	: **WP2315429**	Page	: 1 of 4
Client	: **Latitude Uranium Inc.**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Nancy Normore	Account Manager	:
Address	: 217 - 401 Queen Street West Toronto ON Canada M5V 0R2	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	: 306 270 6751	Telephone	: +1 204 255 9720
Project	: ----	Date Samples Received	: 13-Jul-2023 15:59
PO	: ----	Date Analysis Commenced	: 13-Jul-2023
C-O-C number	: ----	Issue Date	: 30-Oct-2023 11:23
Sampler	: ----		
Site	: ----		
Quote number	: Analytical Testing		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Ana Srzic		Organics, Winnipeg, Manitoba
Brennan Dugas	Analyst	Microbiology, Winnipeg, Manitoba
Rhovee Guevarra		Inorganics, Winnipeg, Manitoba
Rhovee Guevarra		Metals, Winnipeg, Manitoba

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Unit	*Description*
µS/cm	microsiemens per centimetre
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
MBHT	*The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).*
PEHT	*Parameter exceeded recommended holding time prior to analysis.*
RRR	*Refer to report comments for issues regarding this analysis.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	23-WT-001	23-WT-002	23-WT-003	23-WT-004	23-WT-005
					Client sampling date / time	11-Jul-2023 16:27	11-Jul-2023 17:00	11-Jul-2023 17:15	11-Jul-2023 17:28	11-Jul-2023 17:42
						WP2315429-001	WP2315429-002	WP2315429-003	WP2315429-004	WP2315429-005
						Result	Result	Result	Result	Result
Physical Tests										
Conductivity	----	E100/WP	2.0	µS/cm		72.7	91.7	89.7	91.4	44.4
pH	----	E108/WP	0.10	pH units		7.55	7.77	7.69	7.73	7.38
Solids, total suspended [TSS]	----	E160-L/WP	1.0	mg/L		1.1	<1.0	1.3	<1.0	1.4
Inorganics										
Chlorine, free	7782-50-5	E327/WP	0.050	mg/L		<0.050 RRR	<0.050 RRR	<0.050 RRR	<0.050 RRR	<0.050 RRR
Chlorine, total	7782-50-5	E326/WP	0.050	mg/L		<0.050 RRR	<0.050 RRR	<0.050 RRR	<0.050 RRR	<0.050 RRR
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/WP	1	MPN/100mL		<1 PEHT	2 PEHT	2 PEHT	2 MBHT	2 MBHT
Total Metals										
Aluminum, total	7429-90-5	E420/WP	0.0030	mg/L		0.0408	0.0192	0.0169	0.0085	0.0288
Antimony, total	7440-36-0	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total	7440-38-2	E420/WP	0.00010	mg/L		0.00024	0.00021	0.00031	0.00016	0.00012
Barium, total	7440-39-3	E420/WP	0.00010	mg/L		0.105	0.134	0.144	0.143	0.0570
Beryllium, total	7440-41-7	E420/WP	0.000020	mg/L		<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth, total	7440-69-9	E420/WP	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron, total	7440-42-8	E420/WP	0.010	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, total	7440-43-9	E420/WP	0.0000050	mg/L		<0.0000050	0.0000065	0.0000050	<0.0000050	0.0000070
Calcium, total	7440-70-2	E420/WP	0.050	mg/L		7.72	11.4	10.8	11.6	5.13
Cesium, total	7440-46-2	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Chromium, total	7440-47-3	E420/WP	0.00050	mg/L		<0.00050	<0.00050	0.00062	<0.00050	<0.00050
Cobalt, total	7440-48-4	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total	7440-50-8	E420/WP	0.00050	mg/L		0.00100	0.00083	0.00122	0.00052	0.00072
Iron, total	7439-89-6	E420/WP	0.010	mg/L		0.209	0.132	0.218	0.129	0.059
Lead, total	7439-92-1	E420/WP	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium, total	7439-93-2	E420/WP	0.0010	mg/L		0.0014	0.0017	0.0023	0.0015	<0.0010
Magnesium, total	7439-95-4	E420/WP	0.0050	mg/L		5.01	5.99	5.42	5.32	2.44
Manganese, total	7439-96-5	E420/WP	0.00010	mg/L		0.00790	0.00265	0.0146	0.00363	0.00911
Mercury, total	7439-97-6	E508/WP	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum, total	7439-98-7	E420/WP	0.000050	mg/L		0.000071	0.000103	0.000324	0.000334	0.000107
Nickel, total	7440-02-0	E420/WP	0.00050	mg/L		0.00098	0.00111	0.00181	0.00106	0.00068

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	23-WT-001	23-WT-002	23-WT-003	23-WT-004	23-WT-005
					Client sampling date / time	11-Jul-2023 16:27	11-Jul-2023 17:00	11-Jul-2023 17:15	11-Jul-2023 17:28	11-Jul-2023 17:42
						WP2315429-001	WP2315429-002	WP2315429-003	WP2315429-004	WP2315429-005
						Result	Result	Result	Result	Result
Total Metals										
Phosphorus, total	7723-14-0	E420/WP	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Potassium, total	7440-09-7	E420/WP	0.050	mg/L		0.502	0.080	0.605	0.251	0.414
Rubidium, total	7440-17-7	E420/WP	0.00020	mg/L		0.00085	0.00024	0.00175	0.00062	0.00099
Selenium, total	7782-49-2	E420/WP	0.000050	mg/L		<0.000050	0.000086	0.000067	<0.000050	<0.000050
Silicon, total	7440-21-3	E420/WP	0.10	mg/L		0.45	0.93	0.39	1.66	0.41
Silver, total	7440-22-4	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium, total	7440-23-5	E420/WP	0.050	mg/L		1.53	1.30	1.52	1.26	0.701
Strontium, total	7440-24-6	E420/WP	0.00020	mg/L		0.104	0.151	0.138	0.120	0.0738
Sulfur, total	7704-34-9	E420/WP	0.50	mg/L		<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium, total	13494-80-9	E420/WP	0.00020	mg/L		<0.00020	0.00038	<0.00020	<0.00020	<0.00020
Thallium, total	7440-28-0	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium, total	7440-29-1	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin, total	7440-31-5	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium, total	7440-32-6	E420/WP	0.00030	mg/L		0.00033	<0.00030	0.00032	<0.00030	0.00066
Tungsten, total	7440-33-7	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium, total	7440-61-1	E420/WP	0.000010	mg/L		0.000097	0.000098	0.000277	0.000503	0.000074
Vanadium, total	7440-62-2	E420/WP	0.00050	mg/L		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, total	7440-66-6	E420/WP	0.0030	mg/L		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Zirconium, total	7440-67-7	E420/WP	0.00020	mg/L		0.00026	0.00022	0.00029	<0.00020	<0.00020
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WP	2.0	mg/L		2.0	<2.0	<2.0	<2.0	<2.0
Oil & grease (gravimetric)	----	E567/WP	5.0	mg/L		<5.0	<5.0	5.2	<5.0	<5.0

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number:

Environmental Division Winnipeg
Work Order Reference
WP2322310

Telephone : + 1 204 255 9720

Report To	Contact and company name below will appear on the final report
Company:	LATITUDE URANIUM
Contact:	NANCY NORMORE
Phone:	306-770 6151
Company address below will appear on the final report	
Street:	303-217 QUEEN ST W
City/Province:	TORONTO ON
Postal Code:	M5V 0R2
Invoice To	Same as Report To: YES [X] NO [ ]
	Copy of Invoice with Report: YES [X] NO [ ]
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	PDF [X] EXCEL [X] EDD (DIGITAL) [ ]
Quality Control (QC) Report with Report	YES [X] NO [ ]
Compare Results to Criteria on Report - provide details below if box checked	[ ]
Select Distribution:	EMAIL [X] MAIL [ ] FAX [ ]
Email 1 or Fax	nnormore@latitudeuranium.com
Email 2	
Email 3	pschoeman@apexgeoscience.com
Invoice Distribution	
Select Invoice Distribution:	EMAIL [X] MAIL [ ] FAX [ ]
Email 1 or Fax	aplatitudeuranium.com
Email 2	nnormore@latitudeuranium.com

Project Information	
ALS Account # / Quote #:	LATITUDE U.
Job #:	
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only):	
ALS Contact:	Sampler:

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

Select Service Level Below - Contact your AM

Regular [R] [ ] Standard TAT if received by 3 p

PRIORITY (Business Days): 4 day [P4-20%] [ ] 3 day [P3-25%] [ ] 2 day [P2-50%] [ ]

EMERGENCY: 1 Busines... [ ] Same Day, (Laborator... [ ]

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selecte...

Analysis R...

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	EC-WP	HG-T-L-CVAF-WP	MET-T-L-MS-WP	PH-WP	SOLIDS-TOTSAS-LR-WP	BOD	OIL & GREASE	PHEE/TOT CHLR	FECAL COLIFORM	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
23-WT-001A	WATER SAMPLES	6Sept 2023	11H44	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-002A	WATER SAMPLES	6 Sept 2023	10H58	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-003A	WATER SAMPLES	6Sept 2023	11H13	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-004A	WATER SAMPLES	6 Sept 2023	11H29	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23-WT-005A	WATER SAMPLES	6Sept 2023	11H35	WATER	7	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? YES [ ] NO [X]

Are samples for human consumption/ use? YES [X] NO [ ]

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

SUBSAMPLE FOR HG FROM O&G BOTTLES

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen [ ] SIF Observations Yes [ ] No [ ]

Ice Packs [ ] Ice Cubes [ ] Custody seal intact Yes [ ] No [ ]

Cooling Initiated [ ]

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
5.8					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
F. CLARK	6 SEP 2023	20H00		SEP 07 2023	0:08			

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

JUNE 2018 FRONT

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

CERTIFICATE OF ANALYSIS

Work Order	: **WP2322310**	Page	: 1 of 4
Client	: **APEX Geoscience Ltd.**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Philo Schoeman	Account Manager	:
Address	: #100, 11450-160 Street NW Edmonton AB Canada T5M 3Y7	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	: 780-467-3532	Telephone	: +1 204 255 9720
Project	: ----	Date Samples Received	: 07-Sep-2023 09:08
PO	: ----	Date Analysis Commenced	: 07-Sep-2023
C-O-C number	: ----	Issue Date	: 14-Sep-2023 13:37
Sampler	: ----		
Site	: ----		
Quote number	: Analytical Testing		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Ana Srzic		Organics, Winnipeg, Manitoba
Oleksandr Busel		Inorganics, Winnipeg, Manitoba
Oleksandr Busel		Metals, Winnipeg, Manitoba
Oren Wurenqiqige	Analyst	Microbiology, Winnipeg, Manitoba
Rhovee Guevarra		Inorganics, Winnipeg, Manitoba

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances

LOR: Limit of Reporting (detection limit).

Unit	*Description*
µS/cm	microsiemens per centimetre
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
CLH	*Free/Total Chlorine sample had headspace. Hold time for Chlorine tests is 15 minutes; field testing is recommended. Chlorine dissipates rapidly into headspace.*
RRR	*Refer to report comments for issues regarding this analysis.*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	23-WT-001A	23-WT-002A	23-WT-003A	23-WT-004A	23-WT-005A
					Client sampling date / time	06-Sep-2023 11:44	06-Sep-2023 10:58	06-Sep-2023 11:13	06-Sep-2023 11:29	06-Sep-2023 11:35
						WP2322310-001	WP2322310-002	WP2322310-003	WP2322310-004	WP2322310-005
						Result	Result	Result	Result	Result
Physical Tests										
Conductivity	----	E100/WP	2.0	µS/cm		97.8	134	119	116	48.5
pH	----	E108/WP	0.10	pH units		7.80	8.00	7.84	7.91	7.51
Solids, total suspended [TSS]	----	E160-L/WP	1.0	mg/L		13.7	2.0	47.7	2.1	7.0
Inorganics										
Chlorine, free	7782-50-5	E327/WP	0.050	mg/L		<0.050 CLH, RRR	<0.050 CLH, RRR	<0.050 CLH, RRR	<0.050 CLH, RRR, RRV	<0.050 CLH, RRR
Chlorine, total	7782-50-5	E326/WP	0.050	mg/L		<0.050 CLH, RRR	<0.050 CLH, RRR	<0.050 CLH, RRR	<0.050 CLH, RRR, RRV	<0.050 CLH, RRR
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/WP	1	MPN/100mL		<1	6	4	11	1
Total Metals										
Aluminum, total	7429-90-5	E420/WP	0.0030	mg/L		0.0782	0.0087	0.0495	0.0217	0.0152
Antimony, total	7440-36-0	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total	7440-38-2	E420/WP	0.00010	mg/L		0.00029	0.00023	0.00039	0.00019	0.00014
Barium, total	7440-39-3	E420/WP	0.00010	mg/L		0.125	0.176	0.190	0.145	0.0542
Beryllium, total	7440-41-7	E420/WP	0.000020	mg/L		<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth, total	7440-69-9	E420/WP	0.000050	mg/L		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron, total	7440-42-8	E420/WP	0.010	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, total	7440-43-9	E420/WP	0.0000050	mg/L		0.0000322	<0.0000050	0.0000272	0.0000164	0.0000232
Calcium, total	7440-70-2	E420/WP	0.050	mg/L		10.5	15.4	13.8	12.9	5.57
Cesium, total	7440-46-2	E420/WP	0.000010	mg/L		0.000013	<0.000010	0.000015	<0.000010	<0.000010
Chromium, total	7440-47-3	E420/WP	0.00050	mg/L		<0.00050	<0.00050	0.00056	<0.00050	<0.00050
Cobalt, total	7440-48-4	E420/WP	0.00010	mg/L		<0.00010	<0.00010	0.00014	<0.00010	<0.00010
Copper, total	7440-50-8	E420/WP	0.00050	mg/L		0.00121	0.00057	0.00166	0.00085	0.00074
Iron, total	7439-89-6	E420/WP	0.010	mg/L		0.258	0.143	0.334	0.128	0.042
Lead, total	7439-92-1	E420/WP	0.000050	mg/L		0.000145	<0.000050	0.000143	0.000068	0.000057
Lithium, total	7439-93-2	E420/WP	0.0010	mg/L		0.0012	<0.0010	0.0022	<0.0010	<0.0010
Magnesium, total	7439-95-4	E420/WP	0.0050	mg/L		6.26	8.25	7.32	6.59	2.44
Manganese, total	7439-96-5	E420/WP	0.00010	mg/L		0.00958	0.00518	0.0213	0.00906	0.0137
Mercury, total	7439-97-6	E508/WP	0.0000050	mg/L		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum, total	7439-98-7	E420/WP	0.000050	mg/L		0.000074	0.000061	0.000456	0.000460	0.000142

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method/Lab	LOR	Unit	Client sample ID	23-WT-001A	23-WT-002A	23-WT-003A	23-WT-004A	23-WT-005A
					Client sampling date / time	06-Sep-2023 11:44	06-Sep-2023 10:58	06-Sep-2023 11:13	06-Sep-2023 11:29	06-Sep-2023 11:35
						WP2322310-001	WP2322310-002	WP2322310-003	WP2322310-004	WP2322310-005
						Result	Result	Result	Result	Result
Total Metals										
Nickel, total	7440-02-0	E420/WP	0.00050	mg/L		0.00122	0.00101	0.00223	0.00111	0.00063
Phosphorus, total	7723-14-0	E420/WP	0.050	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050
Potassium, total	7440-09-7	E420/WP	0.050	mg/L		0.610	0.138	0.851	0.418	0.440
Rubidium, total	7440-17-7	E420/WP	0.00020	mg/L		0.00124	0.00043	0.00247	0.00096	0.00112
Selenium, total	7782-49-2	E420/WP	0.000050	mg/L		0.000050	0.000062	<0.000050	<0.000050	0.000113
Silicon, total	7440-21-3	E420/WP	0.10	mg/L		0.46	1.22	0.37	1.07	0.29
Silver, total	7440-22-4	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium, total	7440-23-5	E420/WP	0.050	mg/L		2.03	1.74	2.03	1.59	0.744
Strontium, total	7440-24-6	E420/WP	0.00020	mg/L		0.138	0.218	0.180	0.135	0.0766
Sulfur, total	7704-34-9	E420/WP	0.50	mg/L		<0.50	<0.50	0.52	<0.50	<0.50
Tellurium, total	13494-80-9	E420/WP	0.00020	mg/L		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium, total	7440-28-0	E420/WP	0.000010	mg/L		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium, total	7440-29-1	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin, total	7440-31-5	E420/WP	0.00010	mg/L		0.00020	<0.00010	0.00018	0.00012	<0.00010
Titanium, total	7440-32-6	E420/WP	0.00030	mg/L		0.00291	<0.00030	0.00228	0.00078	0.00044
Tungsten, total	7440-33-7	E420/WP	0.00010	mg/L		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium, total	7440-61-1	E420/WP	0.000010	mg/L		0.000088	0.000096	0.000380	0.00110	0.000060
Vanadium, total	7440-62-2	E420/WP	0.00050	mg/L		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, total	7440-66-6	E420/WP	0.0030	mg/L		0.0229	<0.0030	0.0065	0.0060	0.0138
Zirconium, total	7440-67-7	E420/WP	0.00020	mg/L		0.00024	<0.00020	0.00031	<0.00020	<0.00020
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WP	2.0	mg/L		2.3	4.2	2.3	<2.0	2.0
Oil & grease (gravimetric)	----	E567/WP	5.0	mg/L		<5.0	<5.0	<5.0	<5.0	<5.0

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WP2322310**	Page	: 1 of 12
Client	: **APEX Geoscience Ltd.**	Laboratory	: ALS Environmental - Winnipeg
Contact	: Philo Schoeman	Account Manager	:
Address	: #100, 11450-160 Street NW Edmonton AB Canada T5M 3Y7	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: ----	Date Samples Received	: 07-Sep-2023 09:08
PO	: ----	Issue Date	: 14-Sep-2023 13:37
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Analytical Testing		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- Method Blank value outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Method Blank (MB) Values								
Total Metals	QC-MRG5-1127597 001	----	Arsenic, total	7440-38-2	E420	0.00013 B mg/L	0.0001 mg/L	Blank result exceeds permitted value
Total Metals	QC-MRG5-1127597 001	----	Silicon, total	7440-21-3	E420	0.11 B mg/L	0.1 mg/L	Blank result exceeds permitted value

Result Qualifiers

Qualifier	Description
B	*Method Blank exceeds ALS DQO. Associated sample results which are < Limit of Reporting or > 5 times blank level are considered reliable.*

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] 23-WT-001A	E550	06-Sep-2023	----	----	----		08-Sep-2023	3 days	1 days	× EHT
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] 23-WT-002A	E550	06-Sep-2023	----	----	----		08-Sep-2023	3 days	1 days	× EHT
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] 23-WT-003A	E550	06-Sep-2023	----	----	----		08-Sep-2023	3 days	1 days	× EHT
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] 23-WT-004A	E550	06-Sep-2023	----	----	----		08-Sep-2023	3 days	1 days	× EHT
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] 23-WT-005A	E550	06-Sep-2023	----	----	----		08-Sep-2023	3 days	1 days	× EHT
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) 23-WT-001A	E567	06-Sep-2023	12-Sep-2023	28 days	6 days	✓	12-Sep-2023	40 days	0 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) 23-WT-002A	E567	06-Sep-2023	14-Sep-2023	28 days	8 days	✓	14-Sep-2023	40 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid)										
23-WT-003A	E567	06-Sep-2023	14-Sep-2023	28 days	8 days	✓	14-Sep-2023	40 days	0 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid)										
23-WT-004A	E567	06-Sep-2023	14-Sep-2023	28 days	8 days	✓	14-Sep-2023	40 days	0 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid)										
23-WT-005A	E567	06-Sep-2023	14-Sep-2023	28 days	8 days	✓	14-Sep-2023	40 days	0 days	✓
Inorganics : Free Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-001A	E327	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM
Inorganics : Free Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-004A	E327	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM
Inorganics : Free Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-005A	E327	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM
Inorganics : Free Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-002A	E327	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	28 hrs	× EHTR-FM
Inorganics : Free Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-003A	E327	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	28 hrs	× EHTR-FM
Inorganics : Total Chlorine (Residual) by DPD Colourimetry										
HDPE										
23-WT-001A	E326	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Inorganics : Total Chlorine (Residual) by DPD Colourimetry										
HDPE 23-WT-004A	E326	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM
Inorganics : Total Chlorine (Residual) by DPD Colourimetry										
HDPE 23-WT-005A	E326	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	27 hrs	× EHTR-FM
Inorganics : Total Chlorine (Residual) by DPD Colourimetry										
HDPE 23-WT-002A	E326	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	28 hrs	× EHTR-FM
Inorganics : Total Chlorine (Residual) by DPD Colourimetry										
HDPE 23-WT-003A	E326	06-Sep-2023	----	----	----		07-Sep-2023	0.25 hrs	28 hrs	× EHTR-FM
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) 23-WT-001A	E010.FC	06-Sep-2023	----	----	----		07-Sep-2023	30 hrs	28 hrs	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) 23-WT-004A	E010.FC	06-Sep-2023	----	----	----		07-Sep-2023	30 hrs	28 hrs	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) 23-WT-005A	E010.FC	06-Sep-2023	----	----	----		07-Sep-2023	30 hrs	28 hrs	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) 23-WT-002A	E010.FC	06-Sep-2023	----	----	----		07-Sep-2023	30 hrs	29 hrs	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) 23-WT-003A	E010.FC	06-Sep-2023	----	----	----		07-Sep-2023	30 hrs	29 hrs	✓