REPORT FOR CLIENT
ANGILAK PROJECT

Type B Exploration Trail Route, Esker and Material Source Assessment, August 2025



Prepared by:

2SG Inc. and
Reviewed by Atha Energy Corp.

December 12, 2025

EXECUTIVE SUMMARY

In August 2025, 2SG Inc. conducted a field campaign to evaluate the most efficient and sustainable advanced exploration trail route to connect the Nutaaq Camp to the Lac 50 deposit. Furthermore, we identified potential eskers and/or material sources along a proposed exploration trail route by analyzing surface soil and gravel samples to ensure suitable material for construction in support permitting. Our approach aimed to optimize trail alignment, minimize environmental impact, and support logistical requirements for Atha's advanced exploration activities at the Angilak Project.

Coarse soil and gravel samples were collected at discrete locations on the Angilak property, including:

- Esker Material Source 1,
- Esker Material Source 3,
- New Core Storage Area Material Source,
- North Geo Tent Material Source and
- Old Airstrip Material Source 1 and 2.

These material sources were identified by the 2SG Inc. field team as suitable materials for construction of the trails and the airstrip extension. Other sources of material should be re-sampled with deeper test pits, prior to potential use.

Surface soil and gravel sampling collected by 2SG Inc. generally indicated that esker material sources provide suitable construction materials as these sources are non-potentially acid rock generating or have low sulfides, do not exceed CCME screening thresholds and are coarse grained (predominantly sand >0.075mm) materials with gravel and cobble. The acidity observed in the soil is most likely attributable to natural organic acids within the surficial organic horizon (peat/moss) and the inherently low buffering capacity of local esker and glaciofluvial sands. These results are not indicative of potential acid rock drainage. It is recommended that final trail design, timber bridges, deeper test pits (specifically in Esker 1 and New Core Storage Area material sources) and material source excavation plans be developed in the field, prior to project execution.

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SECTION 1 • INTRODUCTION

1.1 BACKGROUND

The Angilak Property is owned by ATHA Energy Corp. (ATHA) and is located in the Angikuni Basin in the Kivalliq Region, Nunavut (refer to Figure 1). ATHA is a Canadian mineral exploration company focused on the acquisition, exploration, and development of mineral resource properties. On March 7, 2024, ATHA acquired 100% of the issued and outstanding common shares of Latitude Uranium Inc. (LUR), with LUR becoming a wholly owned subsidiary of ATHA. LUR, a Toronto-based mineral exploration company, had previously acquired the Angilak Property from ValOre Metals Corp. (ValOre, formally Kivalliq Energy Corporation) through the acquisition of 5833 Nunavut Ltd. (5833). 5833 remains a wholly owned subsidiary of LUR and holds all permits and licenses associated with the Angilak Property. Since acquiring the Property, ATHA has continued to advance the Lac 50 Deposit and regional exploration, including the recent discoveries of the RIB and KU showings. The current Angilak Project infrastructure consists of the 40-person Nutaaq Camp with fuel cache, 20-person mobile temporary camp, primary airstrip adjacent to Nutaaq Camp, secondary airstrip, and winter/spring ice airstrip.

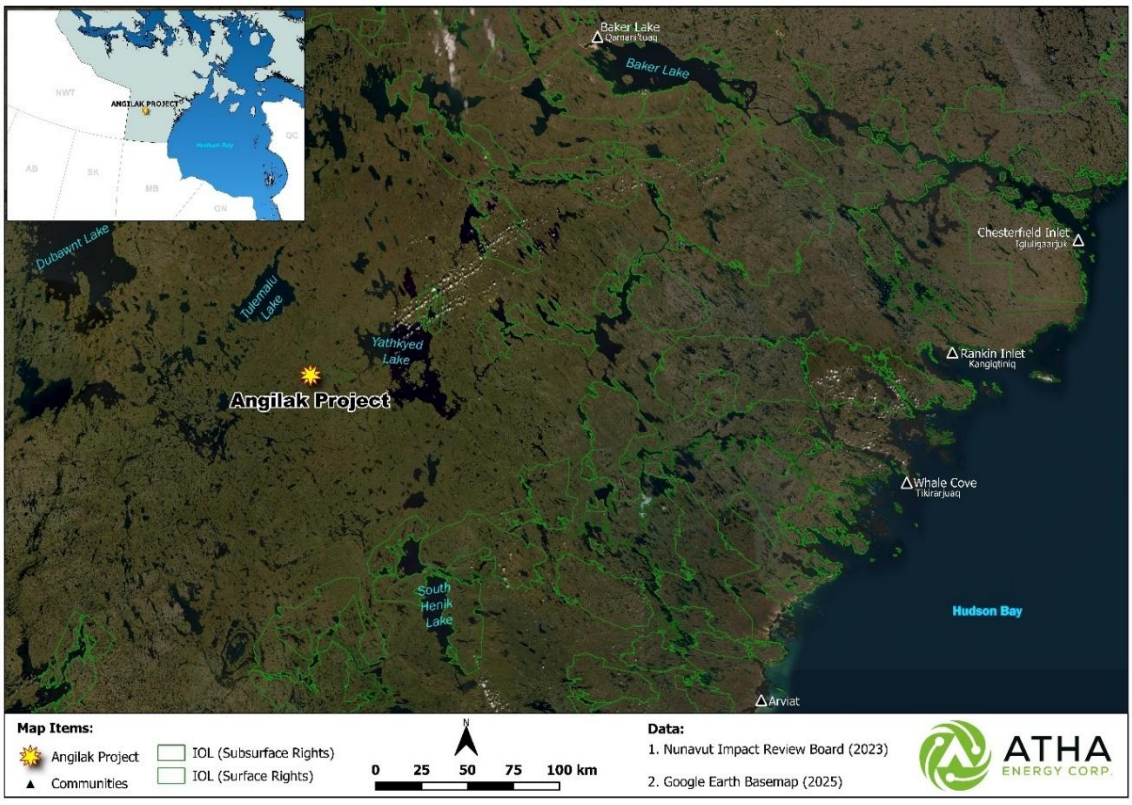


Figure 1. Map of the Project Location and Nearby Communities.

1.2 HISTORICAL ENVIRONMENTAL STUDIES

Early baseline environmental studies have been conducted prior to 2025 at the Project. Kivalliq Energy Corporation (predecessor to ValOre) retained Hemmera Envirochem Inc. (Hemmera) to initiate studies focused on climate, hydrology, surface water quality, air quality, wildlife, and habitat conducted by Ausenco (formerly Hemmera) from 2010 to 2022. Hemmera established an early-stage environmental baseline program with the objectives of documenting biophysical components of importance, initiating data collection to contribute to future project planning and due diligence, and supporting future potential regulatory needs for an Environmental Assessment (Hemmera 2011a).

More specifically, Terrain, Terrestrial, Vegetation, Water and Wildlife studies were conducted by Hemmera; based on our review, to date, no trail nor material source soil assessments nor data collection have been completed at the Angilak Project.

1.3 OBJECTIVES

The objective of the trail route, esker and material source assessment at the Angilak Project was to evaluate the most efficient and sustainable route to connect the camp to the Lac 50 zone and prospective deposits within the area. Furthermore, we identified potential eskers or material sources along the proposed exploration trail route, by assessing surface soil and gravel samples to ensure suitable material for construction in support of project planning and permitting. This approach aimed to optimize trail alignment, minimize environmental impact, and support logistical requirements for ATHA's advanced exploration activities while collecting early baseline data.

1.4 STUDY AREA AND SAMPLE LOCATIONS

The study area, desk-top analysis of trail route options, airstrip, eskers and potential material sources are illustrated in **Figure 2**.

Detailed site and final soil sample locations for each potential material source are provided in **Figures 3 to 12**.

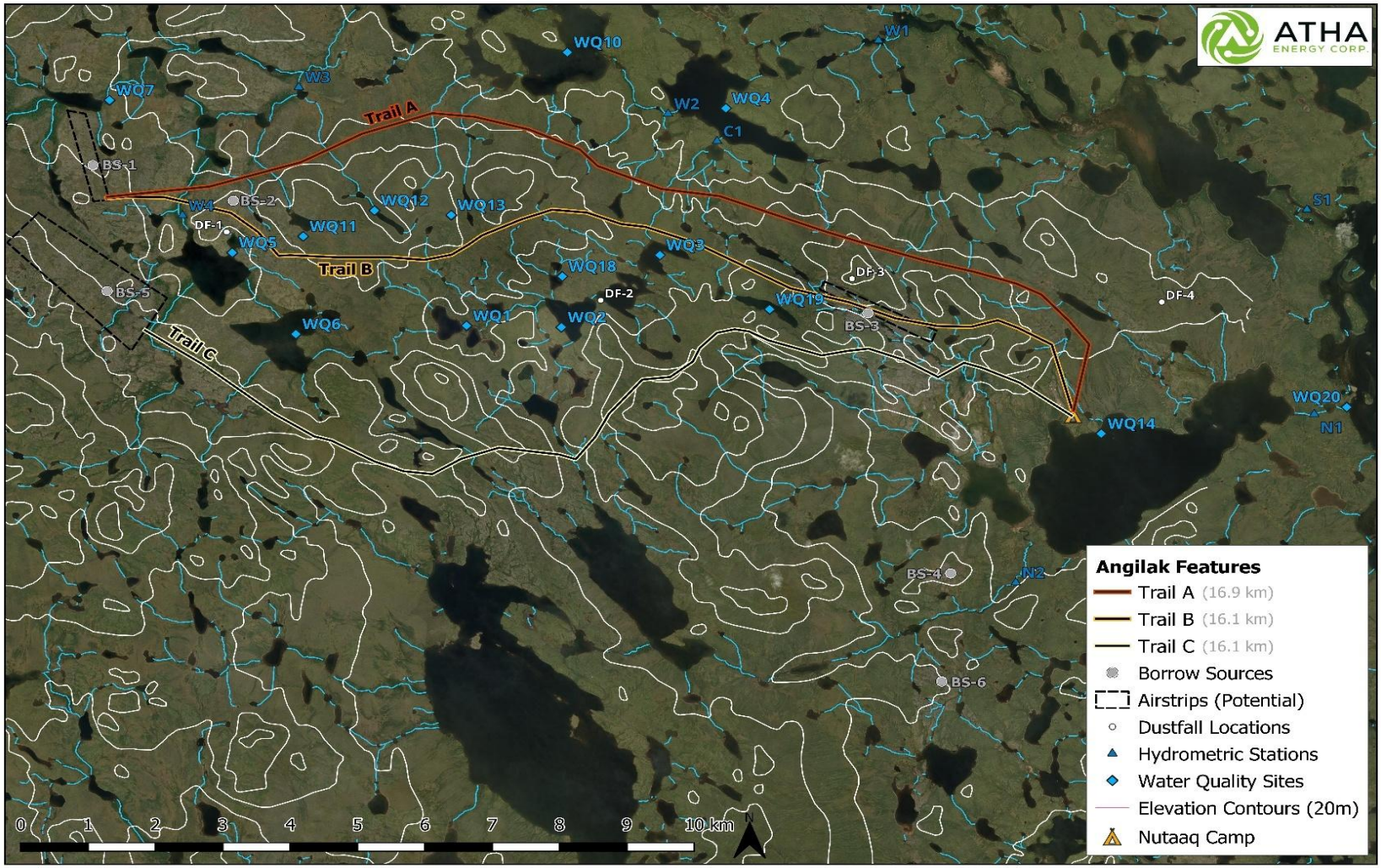


Figure 2. Desk-top Evaluation of Exploration Trail Route Options A, B and C, Potential Airstrips, borrow sources based on landforms evaluated prior to August 2025 field studies.

SECTION 2 • OUR APPROACH

2.1 EVALUATION OF ALTERNATIVE TRAIL ROUTES

The evaluation of alternative trail routes initially considered a central route (Option B, refer to **Figure 2**) that followed the height of land, but was ultimately deemed less favorable during the field visit due to the complexity of construction over various undulating outcrops, increased material requirements, and the likely need for a hard rock quarry, while crossing multiple small headwater streams. It also considered an Option C, a southern route which is longer and would involve crossing more small streams and a hard rock quarry.

Instead, a direct route was selected that combined Option A and B based on its traversal through less complex and more homogenous terrain in a route parallel to the northern option A (dominated by tundra heath with portions of graminoid terrain). This route also minimized stream crossings to Lac 50 area and has various eskers along its route, which are proposed for use in trail construction. Therefore, reducing impacts to the environment, simplifying construction (i.e. no hard rock quarrying) and permitting requirements, while ensuring a sustainable trail design.

Based on the three option alternatives assessment, potential material sources, efficiency and environmental protection while meeting advanced exploration needs, 2SG and ATHA have selected a main route illustrated in **Figure 3** and have began plans to construct a low-profile exploration trail to support exploration activities in Lac 50. Spur trails to the south from the main trail toward Little Gash Lake are also included.

More specifically, ATHA plans to:

- Construct the exploration trails for use by ATV or side-by-side (17.5 km x 1.5m wide or 2.65 ha) plus spur trails toward Lac 50 deposit,
- Construct a 250m x 30m wide extension at the primary airstrip, and
- Use camp eskers and eskers along the proposed trail as material sources.

After finalizing the route and alignment of an airstrip extension, 2SG Inc. sampled potential material sources to support trail construction planning. This document summarizes the findings of the soil sampling completed during the August 2025 field campaign.

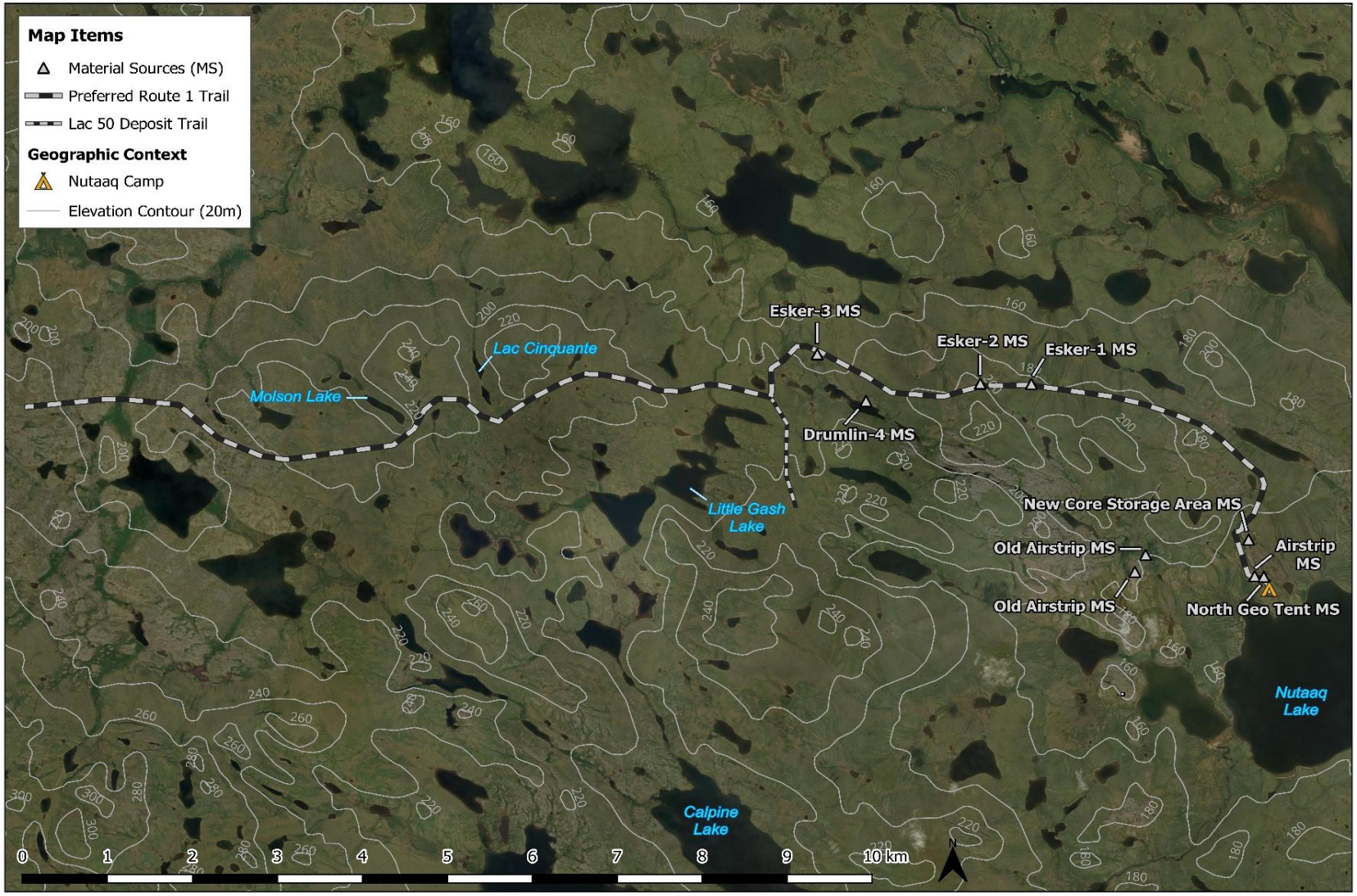


Figure 3. Preferred Exploration Trail Route 1 and Potential Material Sources for Angilak Project.

2.2 SOIL SAMPLING METHODS

Potential material sources were limited to potential till, esker or kames land features identified by helicopter reconnaissance, desktop surficial review and by walking the routes near Nutaaq camp and along the preferred trail route (**Figure 3**). Samples were taken between August 21st and 28th, 2025 during the field campaign.

2.2.1 Sample Locations

Table 1 presents the soil and gravel chemistry sample locations, illustrated in.

Table 1: Quarry 1, Eskers and Potential Material Sources Sample Collection Sites.

TRAIL	ID	SAMPLE ID	GPS LOCATION	
ESKER 1 MS	TEBS 1	TEBS 1-1	62.594679	-98.509104
		TEBS 1-2	62.594598	-98.510272
		TEBS 1 -3	62.594683	-98.511504
ESKER 2 MS	TEBS 2	TEBS 2 -1	62.595027	-98.521744
		TEBS 2-2	62.594507	-98.521278
		TEBS 2-3	62.593958	-98.519667
ESKER 3 MS	TEBS 3	TEBS 3-1	62.599114	-98.563321
		TEBS 3-2	62.598813	-98.562932
		TEBS 3-3	62.598693	-98.559095
DRUMLIN 4 MS	TEBS 4	TEBS 4-1	62.592952	-98.546962
		TEBS 4-2	62.592799	-98.546353
		TEBS 4-3	62.592490	-98.545520
CAMP				
NEW CORE STORAGE AREA	NCBS	NCBS -1	62.574838	-98.459923
		NCBS - 2	62.574702	-98.459618
		NCBS - 3	62.575705	-98.460437
AIRSTRIP ESKER	AS	AS 1-1	62.572506	-98.458410
		AS 1-2	62.572658	-98.459637
		AS 1-3	62.573119	-98.459234
N. GEO TENT	GEO	GEO 1 -1	62.572923	-98.457353
		GEO 1-2	62.572506	-98.457001
		GEO 1-3	62.572540	-98.456317
OLD AIRSTRIP AREA				
OLD AIRSTRIP MS 1	OAS MS1	OAS MS 1-1	62.573947	-98.485935
		OAS MS 1-2	62.572723	-98.487000
		OAS MS 1 -3	62.570869	-98.486536
OLD AIRSTRIP MS 1	OAS MS2	OAS MS 2-1	62.575605	-98.484251
		OAS MS 2-2	62.575493	-98.483468
		OAS MS 2-3	62.575103	-98.483221

2.2.2 Sample Collection

Samples were collected by excavating a small surface soil test pit at three representative but discrete locations within the boundaries of a potential material source. At each location, soil, gravel, and sand samples were collected from the upper soil profile to ensure a representative assessment of material properties. A small stainless-steel spoon was cleaned and pre-rinsed, then used to collect the samples. In most cases, discrete samples were taken for metal chemistry analysis, acid base accounting and particle size.

The collected samples from the three locations within the material source were then combined into a composite sample by thoroughly mixing them in a pre-rinsed and cleaned stainless-steel bowl to account for variability within the potential material source. The composite samples were then properly labeled and submitted to the laboratory for particle size and acid base accounting analysis to evaluate its suitability for construction use to support the permitting process.

2.2.3 Laboratory Methods

The detailed description of the laboratory methods is provided in the ALS Quality Control Interpretive report provided as part of the ALS laboratory data in **Appendix B.** The methods used by ALS are internationally recognized using published methods from the US Environmental Protection Agency, Environment Canada, British Columbia Ministry of Environment, Ontario Ministry of Environment, and other global agencies.

2.2.4 QA/QC

Samples were received at ALS Laboratory in Edmonton on September 3, 2025. The laboratory report on hold times is included in **Appendix B**. Field quality assurance/quality control (QA/QC) included a dedicated sample collection methodology to minimize contamination and ensure sample integrity and comparability. Duplicate samples were collected for 10% of the total samples. Samples were labeled as “DUP” without identifying their paired sample and were dated without a time stamp to ensure blind submission to the laboratory. All duplicate samples were handled in the same way as regular samples.

Each duplicate sample was compared to its paired original sample. The comparison process includes calculating the relative percentage difference (RPD) between the samples and then screening the results against 1.5 times the laboratory RPD or against 40% if laboratory RPDs were not available. RPDs were not calculated if the parent sample or the duplicate (or both) were below laboratory detection limits. These results are provided in Table 2**.** RPD values that are greater than the screening criteria would be flagged with a grey background.

No Duplicate samples exceeded 40% RPD. Generally, these results indicates that field crew personnel demonstrated robust and repeatable collection techniques.

Laboratory QA/QC measures included reporting on hold time exceedances and sample conditions. ALS Laboratories also performed quality control measures such as duplicate sample screening, method blanks, laboratory control samples, and matrix spikes:

1. **Laboratory Duplicate Samples**:
    - Used to assess method precision and sample heterogeneity.
    - Screened against RPD criteria, similar to field duplicate screening.
    - All laboratory duplicate samples met QA/QC criteria in 2025.
2. **Method Blanks**:
    - Processed using an analyte-free matrix to assess potential laboratory contamination.
    - All method blanks met QA/QC criteria in 2025.
3. **Laboratory Control Samples**:
    - Analyte-free matrices fortified with known concentrations to assess percent recovery.
    - All laboratory control samples met QA/QC criteria in 2025.
4. **Matrix Spikes**:
    - Fortified replicate samples randomly selected to evaluate laboratory bias.
    - All matrix spikes met QA/QC criteria in 2025.

Table 2 Field Quality Assurance Quality Control

Borrow Sources			Geotent Area	Geotent Area Dup	% RPD	Southern Airstrip	S. Airstrip Dup	% RPD
Client Sample ID			GEO 1-COMP	DUP 1		AS 1-COMP	DUP 2	
Date Sampled			28-Aug-2025	28-Aug-2025		28-Aug-2025	28-Aug-2025	
Time Sampled			14:00	00:00		15:10	00:00	
ALS Sample ID			EO2507812-011	EO2507812-016		EO2507812-015	EO2507812-017	
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Soil	Sub-Matrix: Soil		Sub-Matrix: Soil	Sub-Matrix: Soil	
Physical Tests (Matrix: Soil/Solid)								
pH (1:2 soil:water)	0.10	pH units	5.74	5.96	3.8	5.49	5.78	5.1
Particle Size (Matrix: Soil/Solid)								
Sand (2.0mm - 0.05mm)	1.0	%	96.0					
Sand (>0.075mm)	1.0	%	95.9	95.1	0.8	93.1	91.6	1.6
Fines (<0.075mm)	1.0	%	4.1	4.9	17.8	6.9	8.4	19.6
Silt (0.05mm - 0.002mm)	1.0	%	1.4					
Clay (<0.002mm)	1.0	%	2.6					
Texture class			Coarse Sand	Coarse		Coarse	Coarse	
Metals (Matrix: Soil/Solid)								
Aluminum	50	mg/kg	5230	5440	3.9	5690	6060	6.3
Antimony	0.10	mg/kg	<0.10	<0.10		<0.10	<0.10	
Arsenic	0.10	mg/kg	1.86	1.90	2.1	1.69	2.16	24.4
Barium	0.50	mg/kg	46.1	45.7	0.9	59.4	67.9	13.4
Beryllium	0.10	mg/kg	0.45	0.44	2.2	0.41	0.45	9.3
Bismuth	0.20	mg/kg	<0.20	<0.20		<0.20	<0.20	
Boron	5.0	mg/kg	<5.0	<5.0		<5.0	<5.0	
Cadmium	0.020	mg/kg	0.050	0.044	12.8	0.055	0.080	37.0
Calcium	50	mg/kg	2240	2300	2.6	2870	2550	11.8
Chromium	0.50	mg/kg	27.0	24.9	8.1	34.8	31.6	9.6
Cobalt	0.10	mg/kg	5.03	5.10	1.4	5.42	5.88	8.1
Copper	0.50	mg/kg	9.33	8.37	10.8	7.87	7.56	4.0
Iron	50	mg/kg	12200	11700	4.2	13100	14800	12.2
Lead	0.50	mg/kg	9.85	8.66	12.9	12.9	16.5	24.5
Lithium	2.0	mg/kg	8.7	8.9	2.3	9.2	10.8	16.0
Magnesium	20	mg/kg	3650	3730	2.2	4230	4140	2.2
Manganese	1.0	mg/kg	168	176	4.7	155	172	10.4
Mercury	0.0050	mg/kg	0.0078	0.0066	16.7	0.0084	0.0115	31.2
Molybdenum	0.10	mg/kg	0.28	0.20	33.3	0.24	0.28	15.4
Nickel	0.50	mg/kg	14.2	13.8	2.9	17.1	15.6	9.2
Phosphorus	50	mg/kg	654	661	1.1	573	665	14.9
Potassium	100	mg/kg	600	570	5.1	590	610	3.3
Selenium	0.20	mg/kg	<0.20	<0.20		<0.20	<0.20	
Silver	0.10	mg/kg	<0.10	<0.10		<0.10	<0.10	
Sodium	50	mg/kg	59	56	5.2	58	58	0.0
Strontium	0.50	mg/kg	33.7	31.5	6.7	38.0	36.6	3.8
Sulfur	1000	mg/kg	<1000	<1000		<1000	<1000	
Thallium	0.050	mg/kg	0.086	0.078	9.8	0.077	0.086	11.0
Tin	2.0	mg/kg	<2.0	<2.0		<2.0	<2.0	
Titanium	1.0	mg/kg	424	409	3.6	452	524	14.8
Tungsten	0.50	mg/kg	<0.50	<0.50		<0.50	<0.50	
Uranium	0.050	mg/kg	1.16	1.02	12.8	1.22	1.15	5.9
Vanadium	0.20	mg/kg	23.5	21.9	7.0	26.1	29.6	12.6
Zinc	2.0	mg/kg	26.0	25.2	3.1	37.8	47.7	23.2
Zirconium	1.0	mg/kg	1.2	<1.0		1.4	1.7	19.4

*highlighted RPD values exceeded 40%

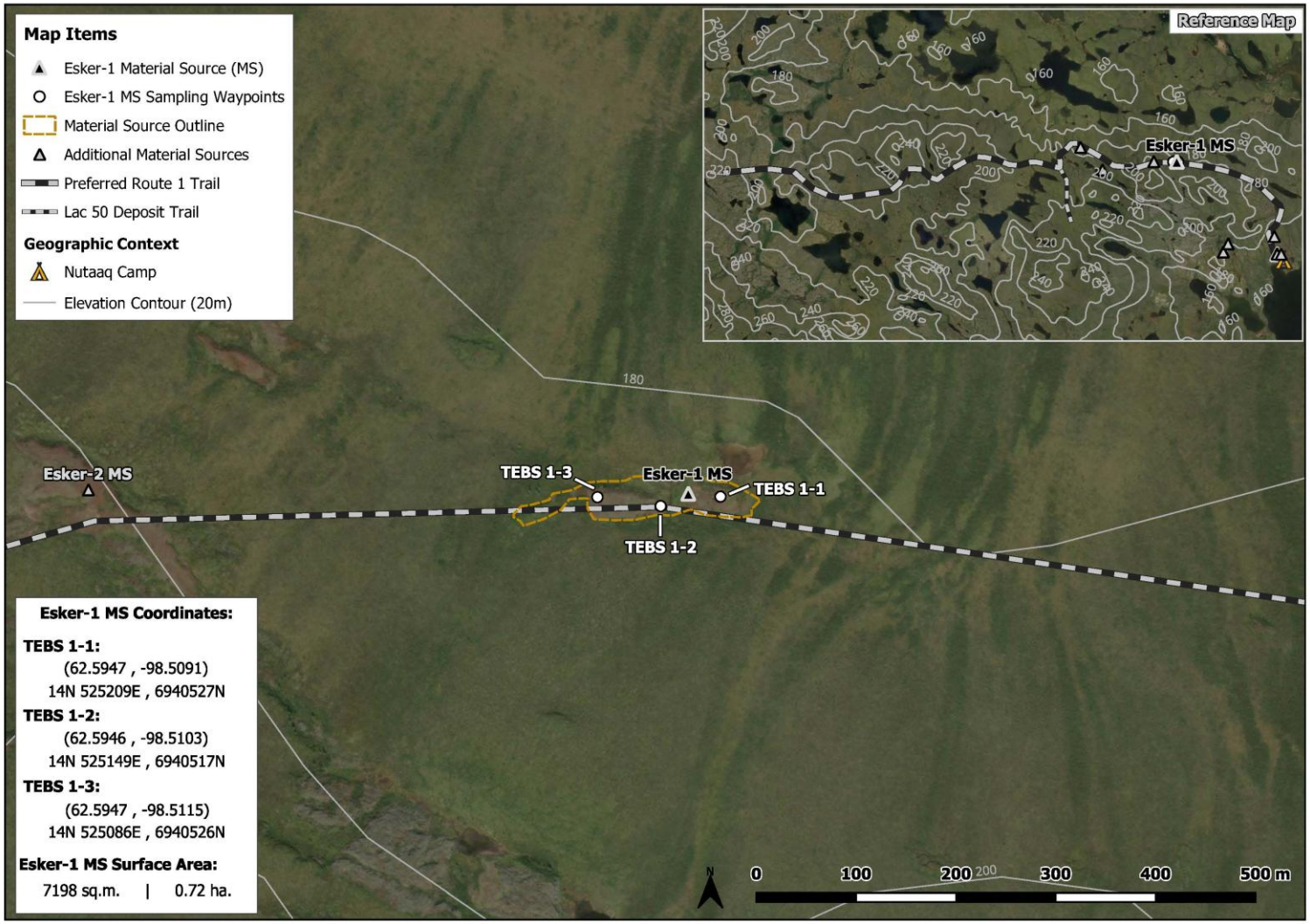


Figure 4. Exploration Trail and Esker-1 MS Sample Locations.

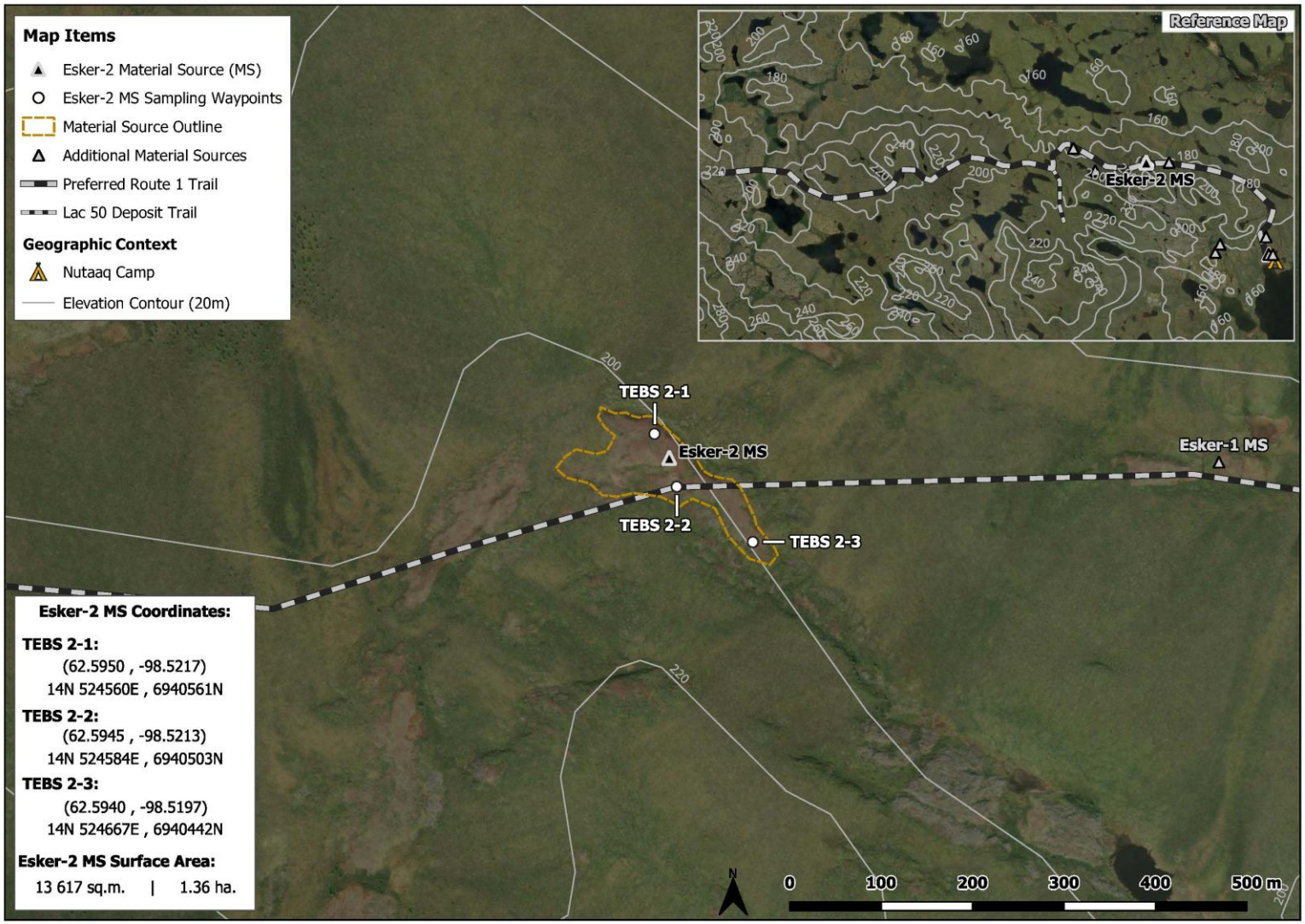


Figure 5. Exploration Trail and Esker 2- MS Sample Locations.

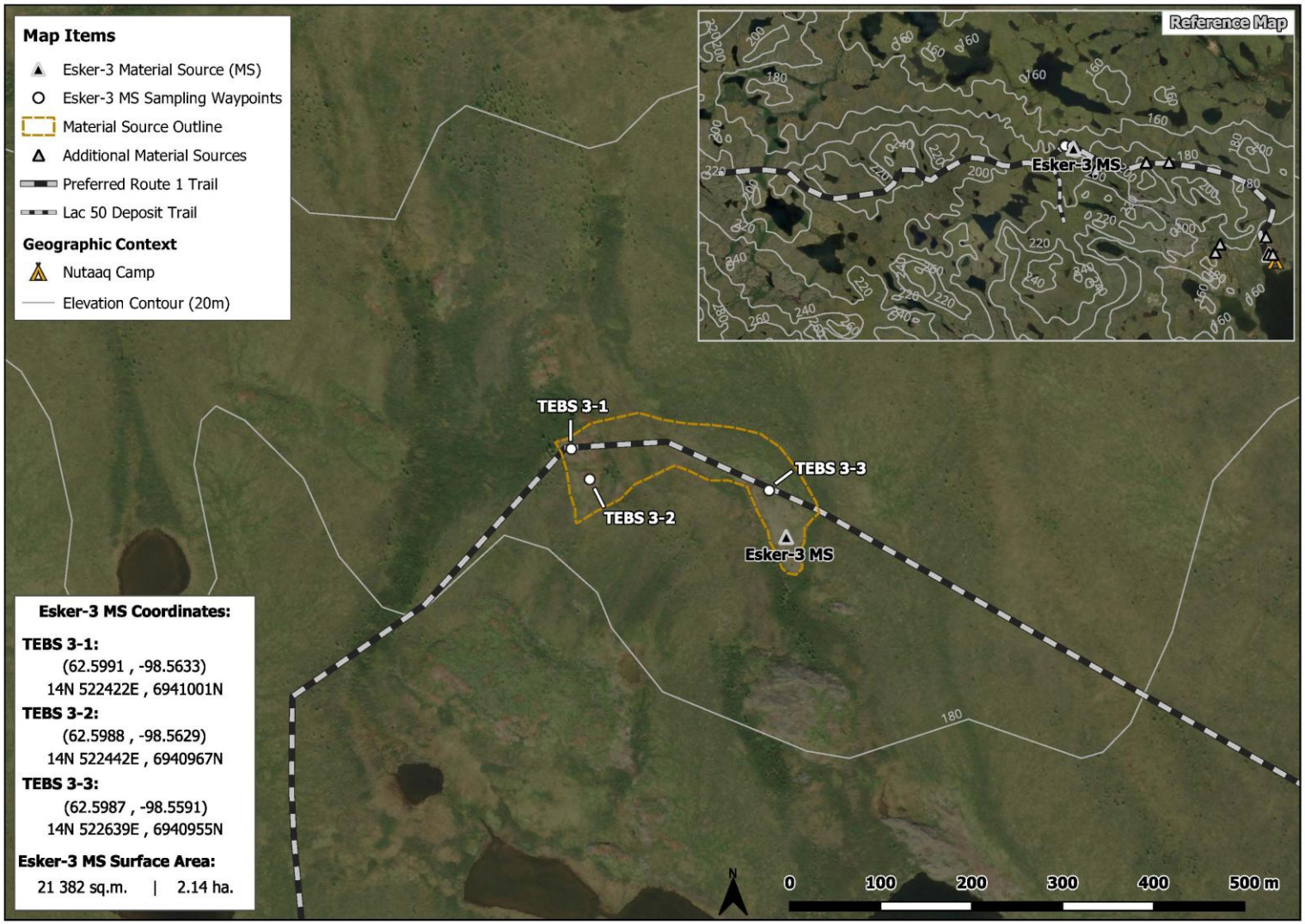


Figure 6. Exploration Trail and Esker 3-MS Sample Locations.

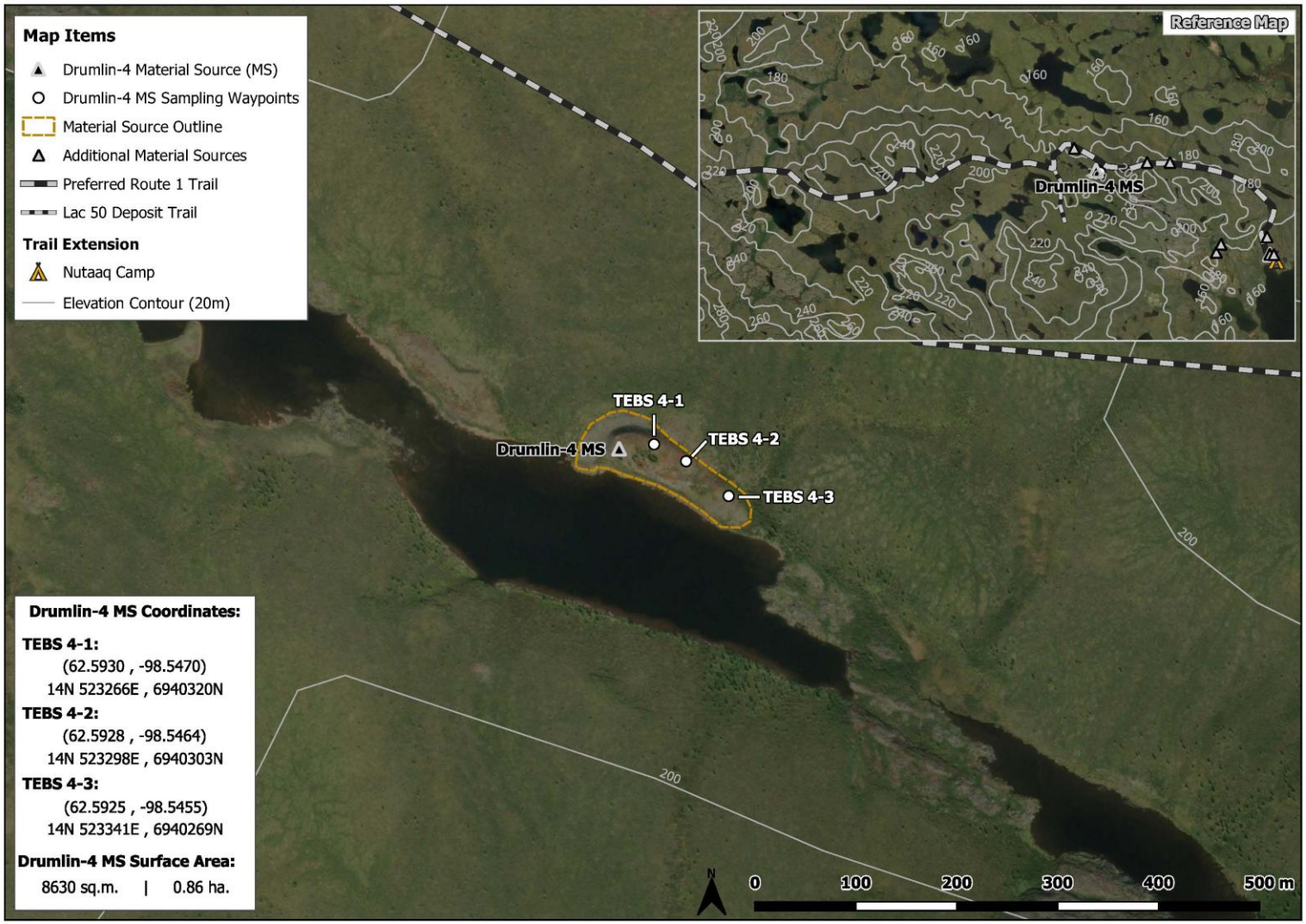


Figure 7. Exploration Trail and Drumlin Sample Locations.

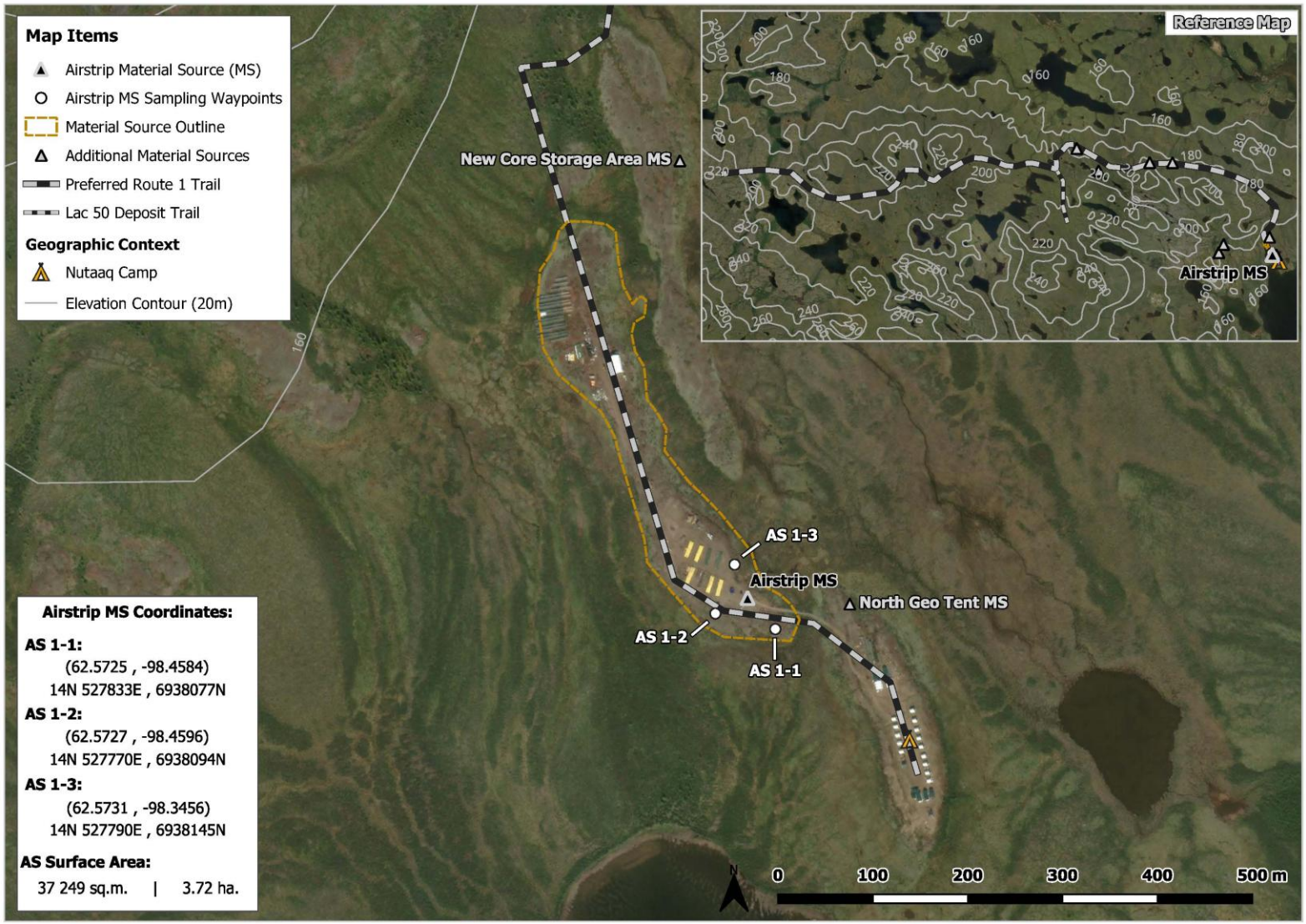


Figure 8. Exploration Trail and Airstrip Esker Material Source Sample Locations.

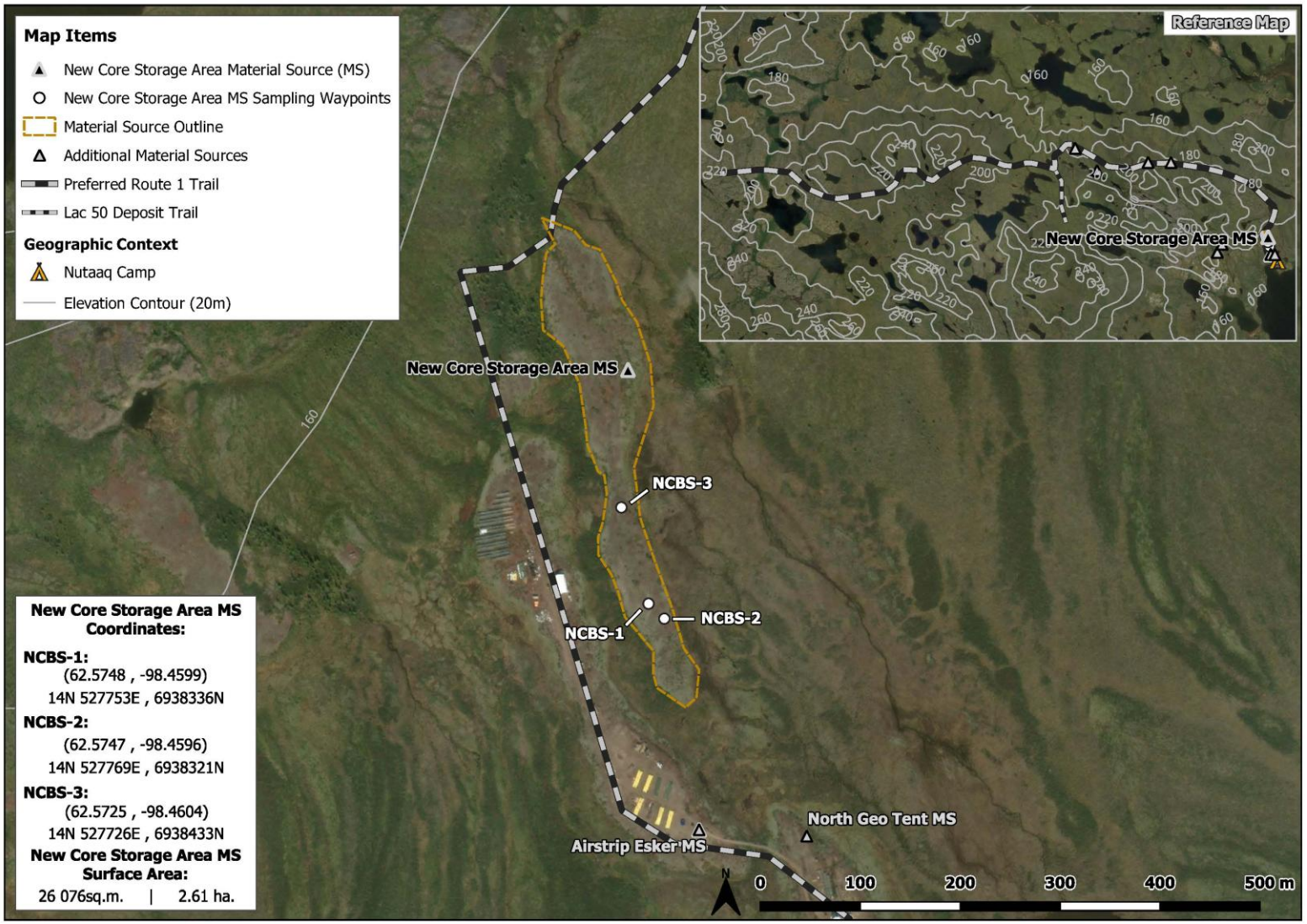


Figure 9. Exploration Trail and North Core Storage Area Esker Material Source Sample Locations.



Figure 10. Exploration Trail and Geo Tent Esker Material Source 1 Sample Locations.

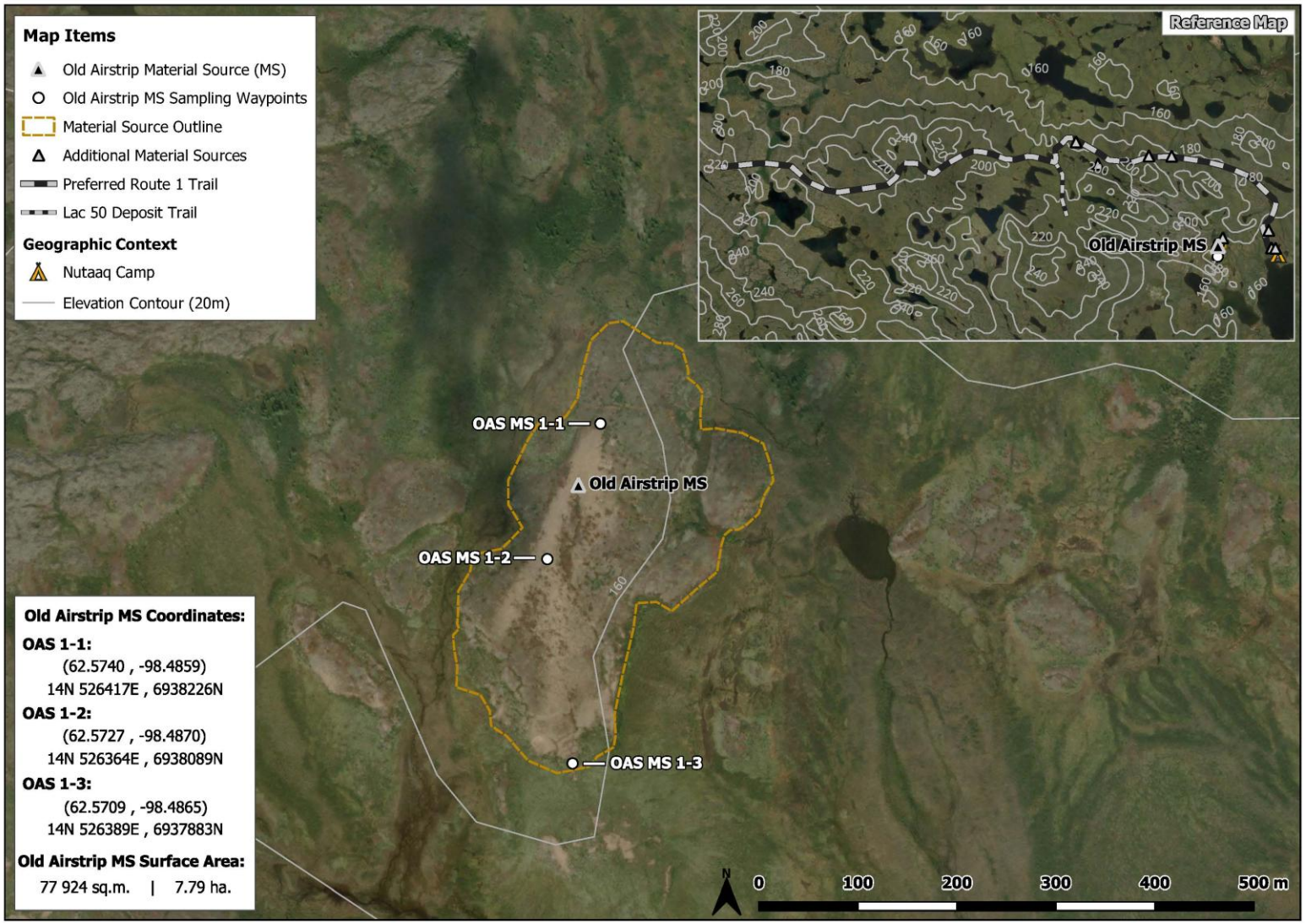


Figure 11. Exploration Trail and Old Airstrip Area 1 Material Source Sample Locations.

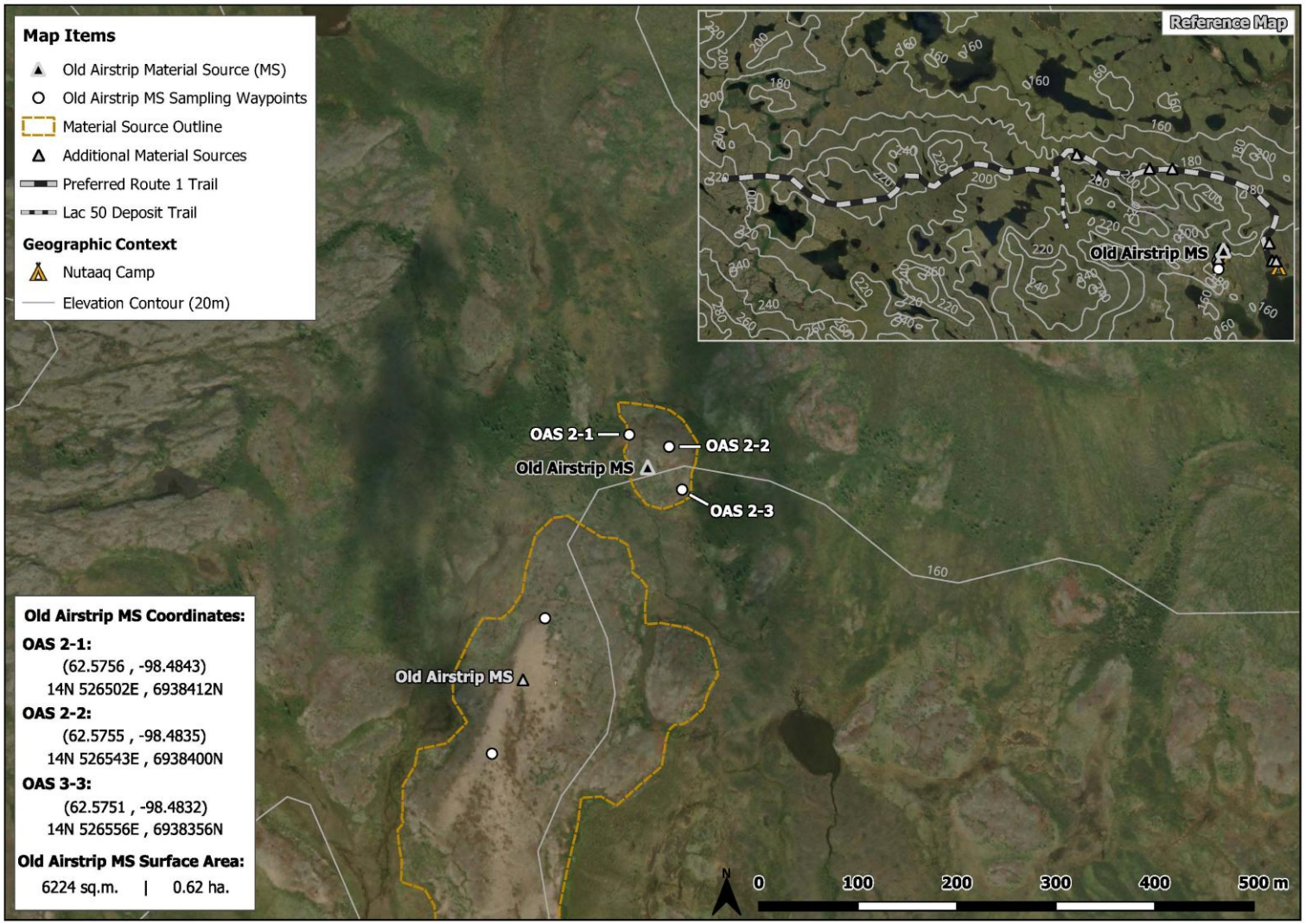


Figure 12. Exploration Trail and Old Airstrip Area 2 Material Source Sample Locations.

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SECTION 3 • RESULTS

3.1 MATERIAL SOURCE COARSE SOIL PARTICLE SIZE

The eskers selected generally contained sands, gravels and in some cases cobble suitable for trail construction and camp upgrades. Particle Sizes were reported by ALS as a % of clay, silt, fines, Sand (>0.075 mm) or Sand (2.0mm – 0.05mm). The soil and solid matrix in all materials sources have very little clay and few silts, which from a physical characterization, make these material sources suitable for trail and camp construction.

In most cases the samples that were collected were predominantly coarse, coarse sand or in a few cases coarse loamy sand. Results are presented in **Table 4.**

3.2 MATERIAL SOURCE ACID BASE ACCOUNTING CHEMISTRY RESULTS

Soil samples were analyzed by ALS for Maximum Potential Acidity, Net Neutralizing Potential, Neutralization Potential, Sulphide and pH. The most conventional method of characterizing the acid generation potential of material source material is to classify it as potentially acid generating (PAG), non-potentially acid generating (NPAG), or of uncertain acid generating potential (uncertain ARD potential) based on its Net Potential Ratio (NPR).

The NPR of a material is calculated as the ratio of its measured carbonate neutralization potential (NP) to its calculated maximum potential acidity (MPA). The results from these analyses are used to calculate the Net Potential Ratio which defines NPAG from PAG materials. The following steps lead to the calculation of the NPR:

- Total sulphur is converted into a maximum potential acidity (MPA) value.
- Total inorganic carbon is similarly converted into a carbonate neutralization potential (NP).
- The Net Potential Ratio (NPR) for the sample is then calculated as NPR = NP/MPA.

The ARD potential of quarries and material sources for the Angilak Project were compared using the NPR-based guidelines published by Indian and Northern Affairs Canada (INAC, 1992[1]), now known as CIRNAC, which are summarized as:

- NPR < 1 (likely acid generating or PAG)
- 1< NPR < 3 (uncertain)
- 2 > NPR (Non-potentially acid generating or NPAG)

[1] INAC (Indian and Northern Affairs Canada), 1992. Guidelines for ARD Prediction in the North – Northern Mine Environment Neutral Drainage Studies No. 1. Department of Indian Affairs and Northern Development, Ottawa, 1993.

Composite samples taken from Material Source Esker 3, Old Airstrip Area 1, 2 and Geotent area are considered Non-Potentially Acid Generating (NPAG) materials and are geochemically stable for use in trail and camp construction. Material Source Esker 1 and the New Core Area are considered uncertain, based on the neutralizing potential.

Material Sources Esker 2, 4 (Drumlin), and the southern portion of the Airstrip where 2SG sampled are considered Potentially Acid Generating (PAG) and may require re-sampling to confirm the surface samples are representative at depth. NPR results are summarized in **Table 3**.

Table 3. Neutralizing Potential Ratio (NP/MPA) Summary by Material Sources.

Material Source	Neutralization potential ratio [NPR], (NP/MPA)
New Core Area	1.07
Esker 1	1.28
Esker 2	**0.53**
Esker 3	6.4
Esker 4	**0.8**
Old Airstrip 1	3.2
Old Airstrip 2	3.2
Geotent Area	3.2
Southern Airstrip	**0.64**

pH had a narrow range from 5.42 to 5.86 for all sample locations. Eskers and viable material sources along the selected trail network and near camp had low sulfide concentrations (0.02 – 0.05%S) (refer to **Table 4**).

3.3 MATERIAL SOURCE METAL CHEMISTRY SCREENING RESULTS

Soil samples were screened against Canadian Soil Quality Guidelines values for individual metals provided by Canadian Council of Ministers of Environment[2] and are presented in **Table 5**.

No metals exceeded CCME soil thresholds for the protection of the environment and human health, in course soils. These soil chemistry results establishes a natural baseline condition at the eskers sampled in August 2025.

[2] CCME Soil Quality Guidelines (mg/kg) for the protection of Environmental and Human Health. Coarse soils, for the protection of agricultural lands. September 2007

Table 4. Particle Size and Acid Base Accounting Results from Composite Samples at Eskers and Potential Material Sources.

Borrow Sources			New Core Area	Esker 1	Esker 2	Esker 3	Esker 4	Old Airstrip 1	Old Airstrip 2	Geotent Area	Southern Airstrip
Client Sample ID			NCBS-COMP	TEBS 1-COMP	TEBS 2-COMP	TEBS 3-COMP	TEBS 4-COMP	OAS MS 1-COMP	OAS MS 2-COMP	GEO 1-COMP	AS 1-COMP
Date Sampled			21-Aug-2025	26-Aug-2025	26-Aug-2025	26-Aug-2025	26-Aug-2025	27-Aug-2025	28-Aug-2025	28-Aug-2025	28-Aug-2025
Time Sampled			09:00	15:40	13:45	08:30	09:50	10:10	09:30	14:00	15:10
ALS Sample ID			EO2507812-001	EO2507812-002	EO2507812-003	EO2507812-004	EO2507812-005	EO2507812-009	EO2507812-010	EO2507812-011	EO2507812-015
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil
Physical Tests (Matrix: Soil/Solid)											
pH (1:2 soil:water)	0.10	pH units	5.56	5.50	5.42	5.40	5.72	5.89	5.86	5.74	5.49
Particle Size (Matrix: Soil/Solid)											
Sand (2.0mm - 0.05mm)	1.0	%	84.4	91.4		85.8	83.6	95.8	94.2	96.0	
Sand (>0.075mm)	1.0	%	80.0	92.5	89.5	84.3	85.4	94.4	94.4	95.9	93.1
Fines (<0.075mm)	1.0	%	20.0	7.5	10.5	15.7	14.6	5.6	5.6	4.1	6.9
Silt (0.05mm - 0.002mm)	1.0	%	11.1	5.5		10.2	9.6	1.6	2.7	1.4	
Clay (<0.002mm)	1.0	%	4.5	3.1		4.0	6.8	2.6	3.1	2.6	
Texture class			Coarse Loamy Sand	Coarse Sand	Coarse	Coarse Loamy Sand	Coarse Loamy Sand	Coarse Sand	Coarse Sand	Coarse Sand	Coarse
Acid Base Accounting (Matrix: Soil/Solid)			New Core Area	Esker 1	Esker 2	Esker 3	Esker 4	Old Airstrip 1	Old Airstrip 2	Geotent Area	Southern Airstrip
Fizz rating	1		1	1	1	1	1	1	1	1	1
Maximum potential acidity [MPA]	0.3	$tCaCO_3/kt$	2.80	1.60	1.90	0.60	1.30	0.60	0.60	0.90	1.60
Net neutralization potential [NNP]	1	$tCaCO_3/kt$	0	0	-1	3	0	1	1	2	-1
Neutralization potential [NP]	1	$tCaCO_3/kt$	3	2	1	4	1	2	2	3	1
Neutralization potential ratio [NPR], (NP/MPA)	0.01	Calc.	1.07	1.28	**0.53**	6.4	**0.8**	3.2	3.2	3.2	**0.64**
Sulfide (as S)	0.01	%	0.05	0.03	0.04	0.03	0.03	0.02	0.02	0.03	0.03
Sulfur, total	0.01	%	0.09	0.05	0.06	0.02	0.04	0.02	0.02	0.03	0.05
pH (1:1 soil:water)	0.1	pH units	5.2	NSS	5	5.2	5.4	5.4	5.2	5.4	NSS

				Composite samples at all potential material sources									Discrete samples at selected locations					
Borrow Sources				New Core Area	Esker 1	Esker 2	Esker 3	Esker 4	Old Airstrip 1	Old Airstrip 2	Geotent Area	S. Airstrip	S. Airstrip	S. Airstrip	S. Airstrip	Old Airstrip 1	Old Airstrip 1	Old Airstrip 1
Client Sample ID				NCBS-COMP	TEBS 1-COMP	TEBS 2-COMP	TEBS 3-COMP	TEBS 4-COMP	OAS MS 1-COMP	OAS MS 2-COMP	GEO 1-COMP	AS 1-COMP	AS 1-1	AS 1-2	AS 1-3	OAS MS 1-1	OAS MS 1-2	OAS MS 1-3
Date Sampled				21-Aug-2025	26-Aug-2025	26-Aug-2025	26-Aug-2025	26-Aug-2025	27-Aug-2025	28-Aug-2025	28-Aug-2025	28-Aug-2025	28-Aug-2025	28-Aug-2025	28-Aug-2025	27-Aug-2025	27-Aug-2025	27-Aug-2025
Time Sampled				09:00	15:40	13:45	08:30	09:50	10:10	09:30	14:00	15:10	15:00	15:10	15:20	10:10	10:15	10:20
ALS Sample ID				EO2507812-001	EO2507812-002	EO2507812-003	EO2507812-004	EO2507812-005	EO2507812-009	EO2507812-010	EO2507812-011	EO2507812-015	EO2507812-012	EO2507812-013	EO2507812-014	EO2507812-006	EO2507812-007	EO2507812-008
Analyte	**Lowest Detection Limit**	**Units**	**CCME Screening Values**	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil	Sub-Matrix: Soil
Metals (Matrix: Soil/Solid)																		
Aluminum	50	mg/kg	N/A	6030	5870	5670	5340	5720	6350	6090	5230	5690	5500	5390	4400	7380	6830	5540
Antimony	0.10	mg/kg	20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10
Arsenic	0.10	mg/kg	12	1.64	2.24	1.95	1.81	2.02	2.05	1.83	1.86	1.69	1.51	2.24	1.99	1.96	2.08	1.77
Barium	0.50	mg/kg	750	150	70.2	54.3	53.5	41.4	29.1	34.3	46.1	59.4	56.6	60.7	62.6	43.8	29.0	15.7
Beryllium	0.10	mg/kg	5	0.40	0.55	0.47	0.44	0.44	0.47	0.41	0.45	0.41	0.37	0.44	0.32	0.54	0.49	0.40
Bismuth	0.20	mg/kg	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.21	<0.20
Boron	5.0	mg/kg	3.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	0.020	mg/kg	3.8	0.104	0.057	0.077	0.042	0.062	0.050	0.062	0.050	0.055	0.058	0.061	0.060	0.075	0.062	0.049
Calcium	50	mg/kg	N/A	3170	2390	2270	2420	2060	2380	2270	2240	2870	1820	2470	1790	2510	2320	2210
Chromium	0.50	mg/kg	64	42.1	29.1	28.4	52.8	27.9	26.8	28.0	27.0	34.8	28.6	31.1	26.5	31.4	29.6	20.6
Cobalt	0.10	mg/kg	20	7.47	6.25	6.40	6.52	5.10	6.27	5.82	5.03	5.42	4.92	5.66	4.22	8.01	6.14	4.04
Copper	0.50	mg/kg	63	7.94	5.86	7.74	5.22	4.70	7.52	9.75	9.33	7.87	6.12	8.50	6.72	13.4	11.6	6.31
Iron	50	mg/kg	N/A	16600	14300	14200	15600	13300	14500	13300	12200	13100	14300	13000	12400	17300	15000	13600
Lead	0.50	mg/kg	70	14.2	8.50	9.14	8.95	9.11	6.91	6.88	9.85	12.9	11.7	14.1	12.7	10.2	8.09	6.28
Lithium	2.0	mg/kg	N/A	8.3	11.0	10.3	12.0	10.4	11.9	10.8	8.7	9.2	8.6	9.9	7.7	11.7	11.9	9.0
Magnesium	20	mg/kg	N/A	4140	4440	4780	5580	3830	4400	4120	3650	4230	3630	4040	3060	5600	4350	3140
Manganese	1.0	mg/kg	N/A	537	235	318	152	136	171	160	168	155	110	188	132	255	174	112
Mercury	0.0050	mg/kg	6.6	0.0215	0.0105	0.0138	0.0081	0.0082	0.0067	<0.0050	0.0078	0.0084	0.0188	0.0070	0.0111	0.0086	0.0110	0.0118
Molybdenum	0.10	mg/kg	5	0.42	0.34	0.65	0.31	0.33	0.20	0.26	0.28	0.24	0.27	0.27	0.37	0.25	0.23	0.25
Nickel	0.50	mg/kg	45	17.7	15.8	15.7	24.0	13.9	16.8	15.5	14.2	17.1	14.3	15.9	11.4	19.2	16.4	10.8
Phosphorus	50	mg/kg	N/A	921	706	653	646	598	655	570	654	573	467	657	477	709	645	626
Potassium	100	mg/kg	N/A	700	650	670	710	680	650	610	600	590	440	650	450	580	600	490
Selenium	0.20	mg/kg	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Silver	0.10	mg/kg	20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	50	mg/kg	N/A	72	52	52	58	<50	64	56	59	58	55	61	<50	57	59	54
Strontium	0.50	mg/kg	N/A	35.7	37.1	35.2	39.4	37.5	32.6	34.2	33.7	38.0	24.7	38.0	25.5	38.6	32.4	29.4
Sulfur	1000	mg/kg	N/A	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
Thallium	0.050	mg/kg	1	0.126	0.094	0.102	0.115	0.091	0.068	0.069	0.086	0.077	0.083	0.084	0.063	0.072	0.066	0.054
Tin	2.0	mg/kg	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Titanium	1.0	mg/kg	N/A	367	390	400	703	348	418	395	424	452	374	411	350	451	445	436
Tungsten	0.50	mg/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Uranium	0.050	mg/kg	33	1.08	1.15	1.26	1.22	1.13	0.987	0.898	1.16	1.22	1.01	1.12	1.10	1.30	1.03	1.03
Vanadium	0.20	mg/kg	130	33.5	26.0	27.9	28.5	23.6	25.1	22.5	23.5	26.1	30.2	24.1	22.8	30.6	26.9	23.3
Zinc	2.0	mg/kg	250	48.3	24.1	28.3	24.4	23.4	22.2	24.4	26.0	37.8	32.2	43.8	35.8	28.8	23.6	20.0
Zirconium	1.0	mg/kg	N/A	1.1	1.0	1.3	6.9	2.1	1.4	1.2	1.2	1.4	2.0	1.6	1.4	1.1	1.8	1.8

Qualifier Legend

RRV	Reported result verified by repeat analysis.

SECTION 4 • DISCUSSION AND CONCLUSIONS

Desk-top analysis along with initial field reconnaissance screened out a central and southern route early in the planning, due to construction complexity, higher material requirements, including the likely need for a hard-rock quarry and various stream crossings. A more direct and uniform alignment (referred to as the preferred route or Trail 1 in **Figure 13**) was selected for the future exploration trail, minimizing construction effort and environmental disturbance. This alignment crosses only two streams leading to Lac 50 deposit and traverses homogenous heath-tundra terrain, supporting a more efficient and sustainable trail design.

Eskers along the route consist primarily of naturally sorted sand, gravel and cobble. Soil and aggregate sampling confirmed that most potential material sources consist of coarse sand with minimal fines and negligible silt or clay. Cobble from the New Core Area is recommended for armouring trail embankments at ephemeral stream crossings to reduce material washout risk.

Composite samples were analyzed for Maximum Potential Acidity, Net Neutralizing Potential (NNP), Neutralization Potential, sulphide content, and pH, and soil chemistry results were screened against CCME guidelines for the protection of wildlife and human health. pH values for viable sources ranged from 5.42 to 5.86. While NPR values for the New Core Area and Esker 1 fall within an “uncertain” category, their low sulphide concentrations (0.02–0.05% S) indicate minimal acid-generation potential, and general chemistry results show no elevated metals.

Based on the surface soil/ gravel data collected at potential material sources, the following material sources are considered suitable for construction of the exploration trail and site upgrades:

- New Core Area,
- Esker 1,
- Esker 3, and the
- Geotent Area.

However, confirmatory sampling through deeper test pits is recommended for the New Core Area and Esker 1 prior to material extraction.

The material sources identified in this report may have been screened as potentially acid generating (PAG). Initial screening results may only reflect surface conditions, which may include organics, peat layers, or other near-surface materials that are not representative of the underlying esker or till deposits intended for construction use. Where material sources with preliminary PAG indicators are otherwise strategically located and important for trail construction or camp construction, deeper test pits are warranted. The acidity is most likely attributable to natural organic acids within the surficial organic horizon (peat/moss) and the inherently low buffering capacity of local esker and glaciofluvial sands. We recommend the excavation of deeper test pits within various eskers to confirm the geochemical

characteristics of the sub-surface materials and assess whether the initial surface screening results were influenced by shallow, non-representative layers. This approach will provide a more accurate evaluation of acid-generation potential, metal leaching risk, and overall suitability of the material sources.

Confirmatory test-pit sampling will ensure that decisions regarding material use are based on representative, construction-relevant sands, gravels and cobble aggregate characteristics. Furthermore, detailed design of the exploration trail, design and planning of culverts or timber bridge structures, and material excavation methods and plans be developed in the field prior to construction.

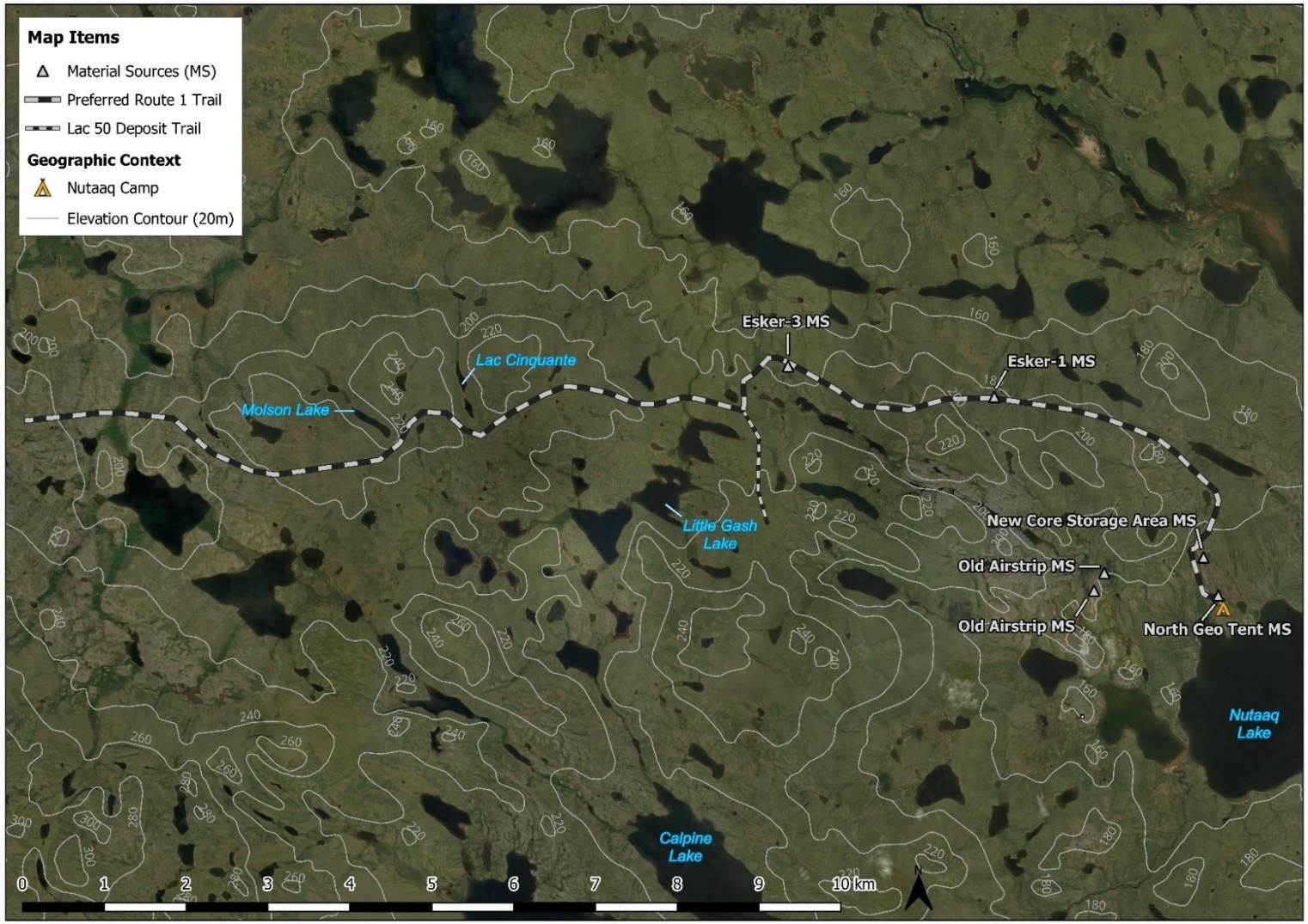


Figure 13. Exploration Trail and Suitable Material Sources for 2026 Construction (Based on 2025 Preliminary Sampling Results and Observations).

Appendix A: Sampling Site, Material Source Site and Drone Aerial Photos

Esker 1 Material Source Field Photos



Aerial photo of Esker 1 MS taken by drone toward the north east



Esker 1 MS – TEBS 1-2 coarse sand and gravel sample and composite in background



Esker 1 MS – Lars mixing composite coarse sand/ gravel soil sample at Esker 1 MS

Esker 2 Material Source Field Photos



Aerial photo of Esker 2 MS taken by drone toward the north west



Ortho photo of Esker 2 MS taken by drone



Esker 1 MS – TEBS 2-2 coarse sand and gravel sample

Esker 3 Material Source Field Photos



Aerial photo of Esker 3 MS taken by drone toward the north west



Esker 3 MS view south towards west trail option



Esker 3 MS – TEBS 3-1 coarse sand and gravel sample

Drumlin Material Source 4



Aerial photo Drumlin MS 4 taken by drone toward the north east



Drumlin MS 4 - well sorted gravel cobble esker



Drumlin Material source. TEBS – 3: coarse sand with some gravel sample

Old Airstrip Material Source 1



Aerial photo Old Airstrip Material Source taken by drone toward the north west



Aerial photo of both OAS 1 (left side with orange fencing) and OAS 2 (on the right side)



Old Airstrip 1 – OAS 1-2 coarse sand and gravel sample

Old Airstrip Material Source 2



Aerial photo of Old Airstrip MS 2 taken by drone toward the south



Old Airstrip MS 2 toward the south



Old Airstrip MS 2: OAS 2-3: well sorted sandy, gravel, cobble esker

Southern Portion of Airstrip Material Source 1



Aerial photo of Southern Airstrip MS taken by drone toward the south



Aerial photo of Southern Airstrip MS taken by drone toward the south



Southern Airstrip– AS 1-1 coarse sand and gravel sample

New Core Storage Area Material Source



Aerial photo New Core Storage Area MS taken by drone toward the south



New Core Storage Area - well sorted gravel cobble esker



New Core Storage Area MS – NCBS 1-1: coarse sand, gravel sample and cobble

Geotent Material Source



Aerial photo Geotent taken by drone toward the north



Ground photo of Geotent material source looking toward the airstrip -well sorted gravel esker



Geotent soil sample: Geo 1-3 : coarse sand and gravel sample

Appendix B: Laboratory Data

CERTIFICATE OF ANALYSIS

Work Order	: **EO2507812**	Page	: 1 of 25
Client	: **Sustainable Solutions Group (2SG Inc.)**	Laboratory	: ALS Environmental - Edmonton
Contact	: Ryan Van Engen	Account Manager	: Vishal Akolkar
Address	: 68 Cork St. W Guelph ON Canada NIH 2X4	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 519.710.8516	Telephone	: +1 780 413 5227
Project	: Angilak	Date Samples Received	: 03-Sep-2025 09:15
PO	: P-CA202500004399	Date Analysis Commenced	: 05-Sep-2025
C-O-C number	: ----	Issue Date	: 14-Nov-2025 11:58
Sampler	: RV/LK		
Site	: ----		
Quote number	: EO24-SSGR100-002 (Soil)		
No. of samples received	: 35		
No. of samples analysed	: 17		

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*
Archana Neupane	Lab Assistant	Inorganics, Calgary, Alberta
George Huang	Supervisor - Inorganic	Metals, Calgary, Alberta
Luis Marmol		Inorganics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Metals, Calgary, Alberta
Vishal Akolkar	Account Manager	Internal Subcontracting, North Vancouver, British Columbia
Vishnu Patel		Inorganics, Calgary, Alberta

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).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
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.

Unit	*Description*
-	no units
%	percent
kg	kilograms
mg/kg	milligrams per kilogram
pH units	pH units
tCaCO□/kt	tons CaCO□ per kiloton

>: greater than.
<: less than.

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*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

EO2507812-001

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: NCBS-COMP
Client sampling date / time: 21-Aug-2025 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.56	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	80.0	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	84.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	20.0	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	11.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	4.5	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6030	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.64	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	150	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.104	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	3170	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	42.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	7.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.94	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	16600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	14.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	537	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0215	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865

Analytical Results

EO2507812-001

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: NCBS-COMP
Client sampling date / time: 21-Aug-2025 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Molybdenum	7439-98-7	0.42	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	17.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	921	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	700	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	72	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	35.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.126	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	367	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.08	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	33.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	48.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-002

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: TEBS 1-COMP
Client sampling date / time: 26-Aug-2025 15:40

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.50	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	92.5	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	91.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	7.5	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	5.5	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	3.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-002

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 1-COMP
Client sampling date / time: 26-Aug-2025 15:40

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5870	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	70.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.55	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.057	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2390	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	29.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	5.86	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4440	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	235	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0105	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.34	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	706	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	52	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	37.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.094	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	390	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.15	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.0	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.1	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-003

Sub-Matrix: **Soil** (Matrix: **Soil/Solid**)

Client sample ID: TEBS 2-COMP

Client sampling date / time: 26-Aug-2025 13:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.42	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	89.5	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	10.5	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5670	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.95	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	54.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.077	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2270	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.74	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14200	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.14	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4780	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	318	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0138	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.65	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	653	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-003

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 2-COMP
Client sampling date / time: 26-Aug-2025 13:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Potassium	7440-09-7	670	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	52	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	35.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.102	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	400	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.26	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	27.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	28.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.3	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-004

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 3-COMP
Client sampling date / time: 26-Aug-2025 08:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.40	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	84.3	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	85.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	15.7	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	10.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	4.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-004

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 3-COMP
Client sampling date / time: 26-Aug-2025 08:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5340	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.81	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	53.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.042	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2420	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	52.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.52	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	5.22	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	15600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.95	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	12.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	5580	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	152	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0081	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.31	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	24.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	646	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	710	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	39.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.115	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	703	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.22	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	28.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	6.9	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-005

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 4-COMP
Client sampling date / time: 26-Aug-2025 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.72	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	85.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	83.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	14.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	9.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	6.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5720	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.02	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	41.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2060	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	27.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	4.70	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.11	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3830	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	136	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0082	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.33	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-005

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: TEBS 4-COMP
Client sampling date / time: 26-Aug-2025 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	13.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	598	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	680	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	<50	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	37.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.091	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	348	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.13	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	23.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	2.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-006

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-1
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.74	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.8	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	4.2	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	7380	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.96	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	43.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.54	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.075	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2510	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	8.01	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	13.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	17300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-006

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-1
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Lead	7439-92-1	10.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	5600	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	255	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0086	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	19.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	709	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	580	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	57	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	38.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.072	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	451	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.30	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	30.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	28.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-007

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-2
Client sampling date / time: 27-Aug-2025 10:15

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.64	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	90.0	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	10.0	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	6830	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	0.16	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.08	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	29.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.49	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	0.21	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-007

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-2
Client sampling date / time: 27-Aug-2025 10:15

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2320	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	29.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.14	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	11.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	15000	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.09	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4350	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	174	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0110	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.23	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	16.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	645	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	600	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	59	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	32.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.066	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	445	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.03	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	23.6	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.8	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-008

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-3
Client sampling date / time: 27-Aug-2025 10:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.83	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.3	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	96.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	4.7	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.8	1.0	%	E180/CG	-	11-Sep-2025	2211819

Analytical Results

EO2507812-008

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-3
Client sampling date / time: 27-Aug-2025 10:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Particle Size								
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Metals								
Aluminum	7429-90-5	5540	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.77	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	15.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.049	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2210	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	20.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.04	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.31	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.28	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	112	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0118	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	10.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	626	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	490	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	54	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	29.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.054	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	436	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.03	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.3	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	20.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.8	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.89	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	94.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	95.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	5.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6350	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.05	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	29.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.050	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2380	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	26.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.52	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14500	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.91	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4400	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	171	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0067	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.20	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	16.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	655	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	64	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	32.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.068	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	418	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	0.987	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	25.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	22.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-010

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 2-COMP
Client sampling date / time: 28-Aug-2025 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.86	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	94.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	94.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	5.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	2.7	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	3.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-010

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 2-COMP
Client sampling date / time: 28-Aug-2025 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6090	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.83	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	34.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.41	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2270	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.82	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	9.75	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.88	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4120	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	160	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	<0.0050 RRV	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.26	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	570	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	610	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	56	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	34.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.069	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	395	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	0.898	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	22.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.2	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-011

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: GEO 1-COMP
Client sampling date / time: 28-Aug-2025 14:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.74	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.9	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	96.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	4.1	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5230	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.86	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	46.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.45	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.050	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2240	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	27.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.03	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	9.33	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	12200	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.85	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3650	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	168	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0078	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.28	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-011

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: GEO 1-COMP
Client sampling date / time: 28-Aug-2025 14:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	14.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	654	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	600	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	59	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	33.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.086	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	424	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.16	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	26.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.2	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-012

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-1
Client sampling date / time: 28-Aug-2025 15:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.52	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	90.2	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	9.8	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	5500	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.51	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	56.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.37	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.058	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	1820	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.92	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.12	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-012

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-1
Client sampling date / time: 28-Aug-2025 15:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Lead	7439-92-1	11.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.6	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3630	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	110	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0188	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	14.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	467	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	440	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	55	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	24.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.083	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	374	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.01	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	30.2	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	32.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	2.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-013

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-2
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.87	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.4	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	4.6	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	5390	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	60.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-013

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-2
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Cadmium	7440-43-9	0.061	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2470	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.66	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	8.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13000	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	14.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4040	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	188	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0070	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	657	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	61	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	38.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.084	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	411	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.12	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	24.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	43.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.6	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-014

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-3
Client sampling date / time: 28-Aug-2025 15:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.60	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	89.2	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	10.8	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	4400	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-014

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: AS 1-3
Client sampling date / time: 28-Aug-2025 15:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.99	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	62.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.32	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.060	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	1790	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	26.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.22	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.72	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	12400	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	12.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	7.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3060	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	132	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0111	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.37	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	11.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	477	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	450	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	<50	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	25.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.063	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	350	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.10	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	22.8	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	35.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.49	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Particle Size								
Sand (>0.075mm)	----	93.1	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	6.9	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5690	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.69	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	59.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.41	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.055	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2870	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	34.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.42	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.87	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13100	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	12.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4230	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	155	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0084	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	17.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	573	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	590	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Strontium	7440-24-6	38.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.077	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	452	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.22	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	37.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-016

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 1
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.96	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.1	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	4.9	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	5440	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.90	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	45.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.044	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	24.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	8.37	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	11700	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.66	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3730	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	176	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0066	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.20	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-016

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 1
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	13.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	661	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	570	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	56	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	31.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.078	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	409	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.02	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	21.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	25.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	<1.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-017

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 2
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.78	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	91.6	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	8.4	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	6060	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.16	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	67.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.45	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.080	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2550	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.88	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.56	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14800	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-017

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: DUP 2
Client sampling date / time: 28-Aug-2025

Analyte	*CAS Number*	*Result*	*LOR*	*Unit*	*Method/Lab*	*Prep Date*	*Analysis Date*	*QCLot*
Metals								
Lead	7439-92-1	16.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	172	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0115	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.28	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	665	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	610	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	36.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.086	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	524	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.15	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	29.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	47.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.7	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

CERTIFICATE OF ANALYSIS

Work Order	: **EO2507812**	Page	: 1 of 25
Client	: **Sustainable Solutions Group (2SG Inc.)**	Laboratory	: ALS Environmental - Edmonton
Contact	: Ryan Van Engen	Account Manager	: Vishal Akolkar
Address	: 68 Cork St. W Guelph ON Canada NIH 2X4	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 519.710.8516	Telephone	: +1 780 413 5227
Project	: Angilak	Date Samples Received	: 03-Sep-2025 09:15
PO	: P-CA202500004399	Date Analysis Commenced	: 05-Sep-2025
C-O-C number	: ----	Issue Date	: 14-Nov-2025 11:58
Sampler	: RV/LK		
Site	: ----		
Quote number	: EO24-SSGR100-002 (Soil)		
No. of samples received	: 35		
No. of samples analysed	: 17		

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*
Archana Neupane	Lab Assistant	Inorganics, Calgary, Alberta
George Huang	Supervisor - Inorganic	Metals, Calgary, Alberta
Luis Marmol		Inorganics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Metals, Calgary, Alberta
Vishal Akolkar	Account Manager	Internal Subcontracting, North Vancouver, British Columbia
Vishnu Patel		Inorganics, Calgary, Alberta

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).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
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.

Unit	*Description*
-	no units
%	percent
kg	kilograms
mg/kg	milligrams per kilogram
pH units	pH units
tCaCO□/kt	tons CaCO□ per kiloton

>: greater than.
<: less than.

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*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

EO2507812-001

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: NCBS-COMP
Client sampling date / time: 21-Aug-2025 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.56	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	80.0	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	84.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	20.0	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	11.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	4.5	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6030	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.64	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	150	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.104	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	3170	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	42.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	7.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.94	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	16600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	14.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	537	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0215	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865

Analytical Results

EO2507812-001

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: NCBS-COMP
Client sampling date / time: 21-Aug-2025 09:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Molybdenum	7439-98-7	0.42	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	17.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	921	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	700	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	72	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	35.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.126	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	367	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.08	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	33.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	48.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-002

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: TEBS 1-COMP
Client sampling date / time: 26-Aug-2025 15:40

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.50	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	92.5	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	91.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	7.5	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	5.5	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	3.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-002

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 1-COMP
Client sampling date / time: 26-Aug-2025 15:40

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5870	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	70.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.55	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.057	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2390	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	29.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	5.86	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4440	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	235	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0105	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.34	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	706	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	52	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	37.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.094	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	390	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.15	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.0	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.1	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-003

Sub-Matrix: **Soil** (Matrix: **Soil/Solid**)

Client sample ID: TEBS 2-COMP

Client sampling date / time: 26-Aug-2025 13:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.42	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	89.5	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	10.5	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5670	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.95	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	54.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.077	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2270	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.74	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14200	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.14	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4780	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	318	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0138	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.65	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	653	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-003

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 2-COMP
Client sampling date / time: 26-Aug-2025 13:45

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Potassium	7440-09-7	670	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	52	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	35.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.102	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	400	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.26	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	27.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	28.3	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.3	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-004

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 3-COMP
Client sampling date / time: 26-Aug-2025 08:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.40	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	84.3	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	85.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	15.7	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	10.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	4.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-004

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 3-COMP
Client sampling date / time: 26-Aug-2025 08:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5340	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.81	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	53.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.042	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2420	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	52.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.52	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	5.22	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	15600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.95	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	12.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	5580	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	152	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0081	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.31	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	24.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	646	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	710	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	39.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.115	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	703	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.22	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	28.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	6.9	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-005

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: TEBS 4-COMP
Client sampling date / time: 26-Aug-2025 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.72	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	85.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	83.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	14.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	9.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	6.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Loamy Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5720	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.02	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	41.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2060	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	27.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	4.70	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.11	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3830	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	136	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0082	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.33	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-005

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: TEBS 4-COMP
Client sampling date / time: 26-Aug-2025 09:50

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	13.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	598	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	680	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	<50	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	37.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.091	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	348	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.13	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	23.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	2.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-006

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-1
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.74	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.8	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	4.2	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	7380	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.96	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	43.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.54	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.075	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2510	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	8.01	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	13.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	17300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-006

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-1
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Lead	7439-92-1	10.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	5600	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	255	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0086	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	19.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	709	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	580	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	57	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	38.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.072	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	451	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.30	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	30.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	28.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.1	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-007

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-2
Client sampling date / time: 27-Aug-2025 10:15

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.64	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	90.0	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	10.0	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	6830	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	0.16	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.08	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	29.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.49	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	0.21	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-007

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-2
Client sampling date / time: 27-Aug-2025 10:15

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2320	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	29.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.14	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	11.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	15000	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.09	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4350	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	174	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0110	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.23	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	16.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	645	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	600	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	59	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	32.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.066	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	445	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.03	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	23.6	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.8	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-008

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: OAS MS 1-3
Client sampling date / time: 27-Aug-2025 10:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.83	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.3	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	96.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	4.7	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.8	1.0	%	E180/CG	-	11-Sep-2025	2211819

Analytical Results

EO2507812-008

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-3
Client sampling date / time: 27-Aug-2025 10:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Particle Size								
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Metals								
Aluminum	7429-90-5	5540	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.77	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	15.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.40	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.049	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2210	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	20.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.04	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.31	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13600	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.28	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	112	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0118	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.25	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	10.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	626	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	490	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	54	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	29.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.054	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	436	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.03	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.3	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	20.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.8	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.89	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	94.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	95.8	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	5.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6350	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.05	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	29.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.47	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.050	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2380	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	26.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	6.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.52	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14500	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.91	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	11.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4400	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	171	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0067	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.20	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-009

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 1-COMP
Client sampling date / time: 27-Aug-2025 10:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	16.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	655	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	64	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	32.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.068	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	418	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	0.987	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	25.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	22.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-010

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 2-COMP
Client sampling date / time: 28-Aug-2025 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.86	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	94.4	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	94.2	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	5.6	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	2.7	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	3.1	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-

Analytical Results

EO2507812-010

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: OAS MS 2-COMP
Client sampling date / time: 28-Aug-2025 09:30

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Acid Base Accounting								
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	6090	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.83	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	34.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.41	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.062	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2270	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.82	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	9.75	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	6.88	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4120	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	160	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	<0.0050 RRV	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.26	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	570	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	610	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	56	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	34.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.069	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	395	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	0.898	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	22.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	24.4	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.2	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-011

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: GEO 1-COMP
Client sampling date / time: 28-Aug-2025 14:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.74	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.9	1.0	%	E178/CG	-	11-Sep-2025	2211955
Sand (2.0mm - 0.05mm)	----	96.0	1.0	%	E180/CG	-	11-Sep-2025	2211819
Fines (<0.075mm)	----	4.1	1.0	%	E178/CG	-	11-Sep-2025	2211955
Silt (0.05mm - 0.002mm)	----	1.4	1.0	%	E180/CG	-	11-Sep-2025	2211819
Clay (<0.002mm)	----	2.6	1.0	%	E180/CG	-	11-Sep-2025	2211819
Texture class	----	Coarse	-	-	E178/CG	-	11-Sep-2025	2211955
Texture class	----	Sand	-	-	E180/CG	-	11-Sep-2025	2211819
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5230	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.86	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	46.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.45	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.050	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2240	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	27.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.03	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	9.33	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	12200	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	9.85	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3650	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	168	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0078	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.28	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-011

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: GEO 1-COMP
Client sampling date / time: 28-Aug-2025 14:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	14.2	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	654	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	600	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	59	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	33.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.086	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	424	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.16	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	23.5	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	26.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.2	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-012

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-1
Client sampling date / time: 28-Aug-2025 15:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.52	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	90.2	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	9.8	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	5500	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.51	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	56.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.37	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.058	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	1820	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	28.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.92	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.12	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-012

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-1
Client sampling date / time: 28-Aug-2025 15:00

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Lead	7439-92-1	11.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.6	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3630	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	110	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0188	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	14.3	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	467	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	440	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	55	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	24.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.083	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	374	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.01	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	30.2	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	32.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	2.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-013

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-2
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.87	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.4	1.0	%	E178/CG	-	12-Sep-2025	2214586
Fines (<0.075mm)	----	4.6	1.0	%	E178/CG	-	12-Sep-2025	2214586
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214586
Metals								
Aluminum	7429-90-5	5390	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	60.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-013

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-2
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Cadmium	7440-43-9	0.061	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2470	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.66	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	8.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13000	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	14.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4040	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	188	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0070	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.27	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	657	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	650	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	61	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	38.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.084	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	411	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.12	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	24.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	43.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.6	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-014

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-3
Client sampling date / time: 28-Aug-2025 15:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.60	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	89.2	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	10.8	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	4400	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-014

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: AS 1-3
Client sampling date / time: 28-Aug-2025 15:20

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.99	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	62.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.32	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.060	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	1790	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	26.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	4.22	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	6.72	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	12400	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	12.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	7.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3060	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	132	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0111	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.37	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	11.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	477	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	450	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	<50	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	25.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.063	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	350	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.10	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	22.8	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	35.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.49	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Particle Size								
Sand (>0.075mm)	----	93.1	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	6.9	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Acid Base Accounting								
Fizz rating	----	See attached	1	-	OA-VOL08/1L	-	31-Oct-2025	-
Maximum potential acidity [MPA]	----	See attached	0.3	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Net neutralization potential [NNP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential [NP]	----	See attached	1	tCaCO□/kt	OA-VOL08/1L	-	31-Oct-2025	-
Neutralization potential ratio [NPR], (NP/MPA)	----	See attached	0.01	-	OA-VOL08/1L	-	31-Oct-2025	-
pH (1:1 soil:water)	----	See attached	0.1	pH units	OA-ELE07/1L	-	31-Oct-2025	-
Sulfide (as S)	----	See attached	0.01	%	S-IR07/1L	-	31-Oct-2025	-
Sulfur, total	7704-34-9	See attached	0.01	%	S-IR08/1L	-	31-Oct-2025	-
Weight, sample received	n/a	See attached	0.02	kg	WEI-21/1L	-	31-Oct-2025	-
Metals								
Aluminum	7429-90-5	5690	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.69	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	59.4	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.41	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.055	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2870	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	34.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.42	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.87	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	13100	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	12.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	9.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4230	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	155	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0084	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.24	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	17.1	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	573	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	590	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-015

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: AS 1-COMP
Client sampling date / time: 28-Aug-2025 15:10

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Strontium	7440-24-6	38.0	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.077	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	452	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.22	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	26.1	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	37.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.4	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-016

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 1
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.96	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	95.1	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	4.9	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	5440	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	1.90	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	45.7	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.44	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.044	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2300	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	24.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	8.37	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	11700	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lead	7439-92-1	8.66	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	8.9	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	3730	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	176	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0066	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.20	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-016

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 1
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals								
Nickel	7440-02-0	13.8	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	661	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	570	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	56	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	31.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.078	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	409	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.02	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	21.9	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	25.2	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	<1.0	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Analytical Results

EO2507812-017

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid**)

Client sample ID: DUP 2
Client sampling date / time: 28-Aug-2025

Analyte	CAS Number	Result	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests								
pH (1:2 soil:water)	----	5.78	0.10	pH units	E108/CG	11-Sep-2025	11-Sep-2025	2212980
Particle Size								
Sand (>0.075mm)	----	91.6	1.0	%	E178/CG	-	12-Sep-2025	2214587
Fines (<0.075mm)	----	8.4	1.0	%	E178/CG	-	12-Sep-2025	2214587
Texture class	----	Coarse	-	-	E178/CG	-	12-Sep-2025	2214587
Metals								
Aluminum	7429-90-5	6060	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Antimony	7440-36-0	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Arsenic	7440-38-2	2.16	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Barium	7440-39-3	67.9	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Beryllium	7440-41-7	0.45	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Bismuth	7440-69-9	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Boron	7440-42-8	<5.0	5.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cadmium	7440-43-9	0.080	0.020	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Calcium	7440-70-2	2550	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Chromium	7440-47-3	31.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Cobalt	7440-48-4	5.88	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Copper	7440-50-8	7.56	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Iron	7439-89-6	14800	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

Analytical Results

EO2507812-017

Sub-Matrix:**Soil**
(Matrix: **Soil/Solid)**

Client sample ID: DUP 2
Client sampling date / time: 28-Aug-2025

Analyte	*CAS Number*	*Result*	*LOR*	*Unit*	*Method/Lab*	*Prep Date*	*Analysis Date*	*QCLot*
Metals								
Lead	7439-92-1	16.5	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Lithium	7439-93-2	10.8	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Magnesium	7439-95-4	4140	20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Manganese	7439-96-5	172	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Mercury	7439-97-6	0.0115	0.0050	mg/kg	E510/CG	08-Sep-2025	09-Sep-2025	2205865
Molybdenum	7439-98-7	0.28	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Nickel	7440-02-0	15.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Phosphorus	7723-14-0	665	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Potassium	7440-09-7	610	100	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Selenium	7782-49-2	<0.20	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Silver	7440-22-4	<0.10	0.10	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sodium	7440-23-5	58	50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Strontium	7440-24-6	36.6	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Sulfur	7704-34-9	<1000	1000	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Thallium	7440-28-0	0.086	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tin	7440-31-5	<2.0	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Titanium	7440-32-6	524	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Tungsten	7440-33-7	<0.50	0.50	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Uranium	7440-61-1	1.15	0.050	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Vanadium	7440-62-2	29.6	0.20	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zinc	7440-66-6	47.7	2.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866
Zirconium	7440-67-7	1.7	1.0	mg/kg	E440/CG	08-Sep-2025	08-Sep-2025	2205866

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

Chain of Custody (COC) / Analytical Request Form

COC Number: 22 -

Page 1 of 2

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Environmental Division
Edmonton
Work Order Reference
EO2507812

Telephone : +1 780 413 5227

Report To	Contact and company name below will appear on the final report
Company:	2SG Inc
Contact:	Ryan VanEngen
Phone:	519-710-8516
	Company address below will appear on the final report
Street:	68 Cork St W
City/Province:	Guelph Ontario
Postal Code:	N1H 2X4
Invoice To	Same as Report To ☒ YES ☐ NO
	Copy of Invoice with Report ☐ YES ☐ NO
Company:	2SG Inc.
Contact:	ryan.vanengen@gmail.com

Reports / Recipients

Select Report Format: ☒ PDF ☒ EXCEL ☒ EDD (DI...
Merge QC/QCI Reports with COA ☐ Y... ☐ NO ☐ N/A
☒ Compare Results to Criteria on Report - provide details...
Select Distribution: ☒ EMAIL ☐ M ☐ FAX
Email 1 or Fax ryan.vanengen@gmail.com
Email 2
Email 3

Invoice Recipients

Select Invoice Distribution: ☒ EMAIL ☐ M.. ☐ FAX
Email 1 or Fax ryan.vanengen@gmail.com
Email 2

Turnaround Time (TAT) Requested

☐ Routine [R] if received by 3pm M-F - no surcharges apply
☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge
☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge
☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge
☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge
☐ Same day [E2] if received by 10am M-S - 200% rush su
Additional fees may apply to rush requests on weeke
Date and Time Required for all E&P TATs:
For all tests with rush TATs requested, pleas

Project Information

ALS Client Code / QUOTE #: 2SG
Job / Project #: Angilak
PO / AFE: P-CA202500004399
LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: PO#
Major/Minor Code: Routing Code:
Requisitioner:
Location:

ALS Lab Work Order # (ALS use only):

ALS Contact: Vishal Akolkar **Sampler:** RV/LK

Analysis Request

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

ALS Sample # (ALS 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	Grain size distribution analysis	Total Metals, pH	ABA- PKG01	Radium 226	SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)
						P	F/P	P	F/P	P	F	
	NCBS - COMP	21-Aug-25	9:00	Soil	2	R	R	R	R			
	TEBS 1- COMP	26-Aug-25	15:40	Soil	2	R	R	R	R			
	TEBS 2 - COMP	26-Aug-25	13:45	Soil	2	R	R	R	R			
	TEBS 3 - COMP	26-Aug-25	8:30	Soil	2	R	R	R	R	x		
	TEBS 4 - COMP	26-Aug-25	9:50	Soil	2	R	R	R	R			
	OAS MS 1 - 1	27-Aug-25	10:10	Soil	1	R	R	R	R			
	OAS MS 1 - 2	27-Aug-25	10:15	Soil	1	R	R	R	R			
	OAS MS 1 - 3	27-Aug-25	10:20	Soil	1	R	R	R	R			
	OAS MS 1 - COMP	27-Aug-25	10:10	Soil	2	R	R	R	R			
	OAS MS 2- COMP	28-Aug-25	9:30	Soil	2	R	R	R	R			
	GEO 1 - COMP	28-Aug-25	14:00	Soil	2	R	R	R	R			

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

Are samples taken from a Regulated DW System? ☐ YES ☐ NO

Are samples for human consumption/ use? ☐ YES ☐ NO

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)

COMP zip lock bags are provided for additional ABA-PKG01; to be sent to ALS Vancouver for geochem analysis; other samples shipped but not on COC are to be stored pending results.

SAMPLE RECEIPT DETAILS (ALS use only)

Cooling Method: X ☐ NONE ☐ ICE ☐ ICE PAC... ☐ FROZEN ☐ COOLING INITIATED

Cooler Custody Seals Intact: ☐ YES X N/A Sample Custody Seals Intact ☐ YES X N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
13.9							

SHIPMENT RELEASE (client use)

Released by:	L.Krist	Date:	29-08-2025	Time: 08:00:00

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by: MK	Date: 3/9/2025	Time: 9:35

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

MAY 2023 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

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

Chain of Custody (COC) / Analytical Request Form

COC Number: 22 -

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

Report To	Contact and company name below will appear on the final report
Company:	2SG Inc
Contact:	Ryan VanEngen
Phone:	519-710-8516
	Company address below will appear on the final report
Street:	68 Cork St W
City/Province:	Guelph Ontario
Postal Code:	N1H 2X4
Invoice To	Same as Report To ☒YES ☐NO
	Copy of Invoice with Report ☐YES ☐NO
Company:	2SG
Contact:	ryan.vanengen@gmail.com

Reports / Recipients	
Select Report Format	☒PDF ☒EXCEL ☒EDD (D...
Merge QC/QCI Reports with COA	☐Y... ☐NO ☐N/A
☒ Compare Results to Criteria on Report - provide details...	
Select Distribution:	☒EMAIL ☐M... ☐FAX
Email 1 or Fax	ryan.vanengen@gmail.com
Email 2	
Email 3	

Invoice Recipients	
Select Invoice Distribution	☒EMAIL ☐M... ☐FAX
Email 1 or Fax	ryan.vanengen@gmail.com
Email 2	

Project Information	
ALS Client Code / QUOTE #:	2SG
Job / Project #:	Angilak
PO / AFE:	P-CA202500004399
LSD:	

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

ALS Lab Work Order # (ALS use only):

ALS Contact: Vishal Akolkar **Sampler:** RV/LK

Turnaround Time (TAT) Requested

- ☐ Routine [R] if received by 3pm M-F - no surcharges apply
- ☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge mi...
- ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge mi...
- ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge mi...
- ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge mi...
- ☐ Same day [E2] if received by 10am M-S - 200% rush surch...

Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.

Date and Time Required for all E&P TATs:

For all tests with rush TATs requested, please contact your AM to confirm availability.

AFFIX ALS BARCODE LABEL HERE (ALS use only)

Analysis Request

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

ALS Sample # (ALS 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	Grain size distribution analysis	Total Metals, pH	ABA - PKG01	Radium 226										SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)
						P	F/P	P	F/P	P	F										
	AS 1 - 1	28-Aug-25	15:00	Soil	1	R	R	R	R												
	AS 1 - 2	28-Aug-25	15:10	Soil	1	R	R	R	R												
	AS 1 - 3	28-Aug-25	15:20	Soil	1	R	R	R	R												
	AS 1 - COMP	28-Aug-25	15:10	Soil	2	R	R	R	R												
	DUP 1	28-Aug-25	-	Soil	1	R	R	R	R												
	DUP 2	28-Aug-25	-	Soil	1	R	R	R	R												

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

Are samples taken from a Regulated DW System? ☐YES ☐NO

Are samples for human consumption/ use? ☐YES ☐NO

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)

COMP zip lock bags are provided for additional ABA-PKG01; to be sent to ALS Vancouver for geochem analysis; other samples shipped but not on COC are to be stored pending results.

SAMPLE RECEIPT DETAILS (ALS use only)

Cooling Method: ☐NONE ☐ICE ☐ICEPAC... ☐FROZEN ☐COOLING INITIATED

Cooler Custody Seals Intact: ☐YES ☐N/A Sample Custody Seals Intact ☐YES ☐N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)

Released by:	L.Krist	Date:	29-08-2025	Time: 08:00:00

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

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

VA25272203 - Finalized
CLIENT : "ALSEDM - ALS Environmental - Edmonton"
# of SAMPLES : 9
DATE RECEIVED : 2025-09-04 DATE FINALIZED : 2025-10-09
PROJECT : "EO2507812"
CERTIFICATE COMMENTS : "ALL:NSS is non-sufficient sample. "
PO NUMBER : " "

	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	S-IR08	OA-VOL08	S-IR07
SAMPLE	NP	pH	NNP	MPA	Ratio (NP:M	S	FIZZ RATIN	Sulphide S
DESCRIPTI	tCaCO3/1I	Unity	tCaCO3/1I	tCaCO3/1I	Unity	%	Unity	%
EO250781	3	5.2	0	2.8	1.07	0.09	1	0.05
EO250781	2	NSS	0	1.6	1.28	0.05	1	0.03
EO250781	1	5	-1	1.9	0.53	0.06	1	0.04
EO250781	4	5.2	3	0.6	6.4	0.02	1	0.03
EO250781	1	5.4	0	1.3	0.8	0.04	1	0.03
EO250781	2	5.4	1	0.6	3.2	0.02	1	0.02
EO250781	2	5.2	1	0.6	3.2	0.02	1	0.02
EO250781	3	5.4	2	0.9	3.2	0.03	1	0.03
EO250781	1	NSS	-1	1.6	0.64	0.05	1	0.03

Appendix C: Field Sheets