ENVIRONMENTAL AND GEOTECHNICAL ASSESSMENT REPORT

Voigt Assessment
Mercer County, North Dakota

AET Project No. P-0042407

Date:
September 15, 2025

Prepared for:
Braaten Law Firm
109 N. 4th Street, Suite 100
Bismarck, North Dakota 58501

American Engineering Testing
3320 Hamilton Street, Unit #6
Bismarck, ND 58503
teamAET.com • 800.792.6364

September 15, 2025

Braaten Law Firm
109 N. 4th Street, Suite 100
Bismarck, North Dakota 58501

Attn: Derrick Braaten, Owner
Email: derrick@braatenlawfirm.com

Subject: Environmental and Geotechnical Assessment Report
Voigt Assessment
Mercer County, North Dakota
T143N, R89W, Sec. 36 NESE, Sec. 25 NWNE & SENE
AET Project No. P-0042407

Dear Mr. Braaten:

American Engineering Testing, Incorporated (AET) has completed the Environmental and Geotechnical Assessment Report (Report) for the above-referenced site per the AET Proposal dated April 24, 2025, and authorized on May 14, 2025.

If you have any questions, comments, or need additional information, please feel welcome to contact us. AET appreciates the opportunity to work with you on this project.

Sincerely,

American Engineering Testing

Anthony Ligutom
Senior Environmental Project Manager
aligutom@teamAET.com
Office: (701) 941-5870

TABLE OF CONTENTS

APPENDICES

ENVIRONMENTAL AND GEOTECHNICAL ASSESSMENT
VOIGT ASSESSMENT
MERCER COUNTY, NORTH DAKOTA

1.0 INTRODUCTION

1.1 Site Description

The approximate Public Land Survey System description of the Voigt Assessment project site (Site) is described as the NW¼ of the NE¼ and the SE¼ of the NE¼ of Section 25, Township 143 North, Range 89 West; and the NE¼ of the SE¼ of Section 36, Township 143 North, Range 89 West; Mercer County, North Dakota (ND). The latitude/longitude of the areas assessed are approximately 47.180084°, -101.895346º and 47.160884, -101.893304°. The location of the Site is shown on the attached topographic map, labeled as **Figure 1** located in **Appendix A**.

1.2 Background Information

The Site has historically been used for mining operations and has since been reclaimed. Over time, the landowner has observed reduced agricultural production from the reclaimed land and has retained legal counsel to determine if the quality of the reclamation and soil conditions are a result of substandard reclamation. In April 2025, AET was contacted by the legal counsel representing the landowner to perform additional surface and subsurface soil investigation of the Site.

1.3 Previous Studies

Previous environmental work performed at the Site has been presented in the document listed on the table below. Please refer to this document for further details on environmental activities conducted prior to AET's involvement.

PREVIOUS DOCUMENTATION

Environmental Consultant	Date	Document Title/Report No.
Western Plains Consulting	11/20/2023	"Soil Classification and Soil Quality Data Report" WPC Project 411-02-LL

1.4 Site Topography

Review of the United States (US) Geologic Survey topographic map indicates the elevation of the area assessed in Section 25 of the Site ranges from approximately 2,075 feet (ft) above mean sea level (amsl) at the northernmost point, to 2,032 ft asml at the southernmost point. The elevation of area assessed in Section 36 of the Site is approximately 2,064 ft amsl. The surface topography of the Site can be classified as cropland with areas of mixed grasses.

1.5 Geology and Hydrogeology

The US Department of Agriculture's Web Soil Survey indicates the area assessed in Section 25 of the Site primarily consists of Flaxton-Lavonna fine sandy loams. These soils are classified as well-drained fine sandy loam and clay loam with a maximum sodium adsorption ratio (SAR) of 5.0. The area assessed in Section 25 of the Site primarily consists of Williams-Bowbells loams. Williams-Bowbells loams are classified as well drained loam and clay loam. Williams-Bowbells loams are also classified as non-saline to very slightly saline with conductivity values ranging from 0.0 to 2.0 millimhos per centimeter (mmhos/cm), and a maximum SAR of 5.0.

1.6 Purpose of Work

The purpose of the investigation is to evaluate surface and subsurface soil conditions on reclaimed areas of the Site which were previously used for mining operations.

1.7 Scope of Work

The scope of work performed on the subsurface investigation phase of the project consisted of:

1. contacting local utility companies through ND One Call to identify the locations of public underground utility lines and access points on and adjacent to the Site;
2. mobilizing a two-person drill crew from AET's Rapid City, South Dakota office;
3. mobilizing one environmental professional from AET's Bismarck, ND office;

4. advance nine “environmental” soil borings to five feet (ft) below grade (bg) via direct push technology (DPT) to evaluate surface and subsurface soil conditions at the Site;

5. screening soil samples recovered from the soil borings for electrical conductivity (EC) as record of existing soil conductivity concentrations;

6. retaining select soil samples recovered from the soil borings and submitting the samples to a ND-certified laboratory for arsenic, selenium, SAR, and specific conductivity concentrations;

7. advancing four additional standard penetration test (SPT) or “geotechnical” soil borings directly adjacent to the locations of environmental soil borings SB-2, SB-6, SB-8, and SB- 9 up to 5 ft bg;

8. retaining select soil samples recovered from the SPT soil borings and submitting them to AET’s geotechnical laboratory for in-situ moisture content, dry density, permeability and moisture-density relationship (standard Proctor) testing; and

9. preparing and submitting a Site assessment report including assessments methods used to evaluate surface and subsurface conditions, assessment locations, assessment depths, soil parameters analyzed, and soil parameter results.

2.0 PROJECT RESULTS

2.1 Surface Conditions

Currently, the Site consists of agricultural land which was previously used for mining operations. Land use surrounding the Site continues to be used for mining operations.

2.2 Subsurface Conditions

Between July 7 and July 8, 2025, AET personnel advanced nine DPT environmental soil borings (SB-1 through SB-9) at locations shown on **Figures 2A** and **2B** provided in **Appendix A**, using methods presented in **Appendix B**. AET also advanced four additional SPT geotechnical soil borings directly adjacent to the locations of environmental soil borings SB-2, SB-6, SB-8, and SB- 9. All soil borings were advanced to 5 ft bg.

Review of the boring logs indicates alternating layers of silt, sandy silt, silty sand, lean clay, and clayey silt. All soil samples retained were from soil that is not native or

undisturbed to the Site. Soil boring logs illustrating the soil profiles encountered at each boring are provided in **Appendix C**.

2.3 Soil Sample Screening

Soil samples collected from the soil borings were field screened in two-foot intervals for EC, using the methods provided in **Appendix B**. The soil field EC screening results are presented on the individual boring logs provided in **Appendix C**.

2.4 Soil Analytical Results

A total of 27 soil samples were collected from the soil borings using methods provided in **Appendix B** and submitted for laboratory analysis of arsenic, selenium, SAR, and specific conductivity concentrations. In each soil boring, soil samples retained for laboratory analysis were divided into three soil intervals. Soil samples collected from 0-11 inches bg were denoted with the letters “TS” (topsoil) at the end of the soil sample ID. Soil samples collected from 11-36 inches bg were denoted with the letters “SS” (subsoil) at the end of the soil sample ID; and soil samples collected from 36-60 inches bg were denoted with the letters “CP” (clay pan) at the end of the soil sample ID.

Arsenic and selenium concentrations were compared to the ND Risk-Based Correction Action (RBCA) Risk-Based Screening Levels (RBSLs) of 30 milligrams per kilogram (mg/kg) and 5,840 mg/kg, respectively. Arsenic concentrations exceeding the NDRBCA RBSL were detected in soil sample SB-1 (0-11”)TS with a concentration of 237 mg/kg. All other soil samples exhibited concentrations below their respective ND RBCA RBSLs. Soil analytical results are summarized in **Table 1**, **Appendix D**, and depicted in **Figure 3A** and **3B**, **Appendix A**.

Soil samples collected from the SPT geotechnical soil borings were tested for moisture content, dry density, moisture density relationship (standard Proctor), and permeability tests. A moisture-density relationship (standard Proctor) test was performed on the bulk samples collected from each soil type encountered for the northern site (SB-2 and SB-6)

and southern site (SB-8 and SB-9). Results are summarized on the following table.

Boring	Depth, ft	Soil Classification [2]	Optimum Moisture Content, percent (%) [1]	Maximum Dry Density, lbf/ft^3 (pcf) [1]
SB-2	0-2	Silt (ML)	12.9	112.3
SB-2	2-4	Sandy Silt (ML)	17.7	105.3
SB-2	4-6	Lean Clay (CL)	12.3	108.1
SB-8	0-2	Clayey Silt (ML)	14.0	109.9
SB-8	2-4	Lean Clay (CL)	13.6	107.6

[1] Based on ASTM: D698 (standard Proctor) [2] Based on visual classification only

Bulk soil sample represents a mixture of the soils encountered within the sampling interval of each borehole. As such, the soil classification as presented on the Moisture-Density Relationship data sheet may differ from the classifications of the individual soil layers identified on the respective boring logs.

The dry unit weights of the samples obtained within the accompanying SPT borings were compared to the maximum dry unit weight as determined by the most representative moisture-density relationship (standard Proctor) test for each respective site. Results were compared to determine the percent compaction of the soil. The results of the comparison are summarized in the following table.

Boring	Depth, ft	Moisture Content (%)	In situ Dry Density (pcf)	Maximum Dry Density (pcf) [1]	Percent Compaction (%) [2]
SB-2	1.83	15	110	112.3	98.0
SB-2	3.50	28	95	105.3	90.2
SB-2	4.83	26	94	108.1	87.0
SB-6	0.60	10	86	112.3[3]	76.6
SB-6	1.20	9	95	112.3[3]	84.6

Boring	Depth, ft	Moisture Content (%)	In situ Dry Density (pcf)	Maximum Dry Density (pcf) [1]	Percent Compaction (%) [2]
SB-6	1.80	6	97	112.3[3]	86.4
SB-6	2.40	13	92	108.1[3]	85.1
SB-6	3.00	16	91	108.1[3]	84.2
SB-6	3.60	20	91	108.1[3]	84.2
SB-6	4.20	13	112	108.1[3]	103.6
SB-6	4.80	14	118	108.1[3]	109.2
SB-8	0.67	14	103	109.9	93.7
SB-8	2.75	25	100	107.6	92.9
SB-8	4.20	21	110	107.6	102.2
SB-8	4.80	19	102	107.6	94.8
SB-9	0.60	17	80	109.9[3]	72.8
SB-9	1.20	16	88	109.9[3]	80.1
SB-9	1.80	18	87	109.9[3]	79.2
SB-9	2.40	21	86	107.6[3]	79.9
SB-9	3.00	21	88	107.6[3]	79.9
SB-9	3.60	22	90	107.6[3]	83.6
SB-9	4.20	19	107	107.6[3]	99.4
SB-9	4.80	19	113	107.6[3]	105.0

[1] Based on ASTM: D698 (standard Proctor) [2]In situ Dry Density / Maximum Dry Density * 100 = Percent Compaction
[3]Referenced to Proctors from SB-2 (northern site) and SB-8 (southern site)

Constant head permeability tests were performed on in-situ samples collected from Borings SB-2 and SB-8 for each soil type encountered. The test results are summarized in the following table.

Boring	Depth, in	Soil Classification[2]	Coefficient of Permeability @ 20 ˚C, cm/sec [1]
SB-2	20-24	Silt (ML)	1.5×10^{-7}
SB-2	39-45	Sandy Silt (ML)	1.1×10^{-8}
SB-2	45-60	Lean Clay (CL)	9.0×10^{-8}
SB-8	4-10	Clayey Silt (ML)	4.5×10^{-6}
SB-8	30-36	Lean Clay (CL)	7.3×10^{-9}

[1] Based on ASTM: D5084 (Hydraulic Conductivity) [2] Based on visual classification only

All laboratory analytical reports for environmental and geotechnical soil testing are included in **Appendix E**.

3.0 SUMMARY

A summary of the July 2025 assessment activities completed at the Site are provided below.

- Between July 7 and July 8, 2025, AET personnel advanced nine subsurface soil borings (SB-1 through SB-9) via a DPT drill rig to depths of 5 ft bg.
- A total of 27 soil samples were collected from the soil borings and submitted for laboratory analysis of arsenic, selenium, SAR, and specific conductivity concentrations.
- An arsenic concentration exceeding the ND RBCA RBSL was detected in soil sample SB-1 (0-11”)TS with a concentration of 237 mg/kg. All other soil samples exhibited concentrations below their respective ND RBCA RBSLs.
- Four additional SPT soil borings were advanced directly adjacent to the locations of environmental soil borings SB-2, SB-6, SB-8, and SB-9 up to 5 ft bg.
- Geotechnical testing of moisture content, dry density, moisture density relationship (standard Proctor), and permeability was performed on each surface and subsurface soil type encountered.

- The moisture density relationship results for silt, sandy silt, lean clay (SB-2 and SB-6), clayey silt, and lean clay (SB-8 and SB-9) were maximum dry densities of 112.3, 105.3, 108.1, 109.9 and 107.6 pounds per cubic foot at optimum moisture contents of 12.9, 17.7, 12.3, 14.0, and 13.6 percent, respectively.
- Compaction results for silt ranged from 76.6% to 98.0%; sandy silt were 90.2%; lean clay (SB-2 and SB-6) ranged from 84.2% to 109.2%; clayey silt ranged from 72.8% to 93.7%; and lean clay (SB-8 and SB-9) ranged from 79.9% to 102.2% at their current in-situ moisture contents.
- Permeability results for silt, sandy silt, lean clay (SB-2 and SB-6), clayey silt, and lean clay (SB-8 and SB-9) were 1.5×10^{-7}, 1.1×10^{-8}, 9.0×10^{-8}, 4.5×10^{-6}, and 7.3×10^{-9} centimeters per second, respectively.

4.0 STANDARD OF CARE

Recommendations contained in this Report represent our professional opinions. These opinions were arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

This report was prepared by:

Anthony Ligutom
Senior Environmental Project Manager

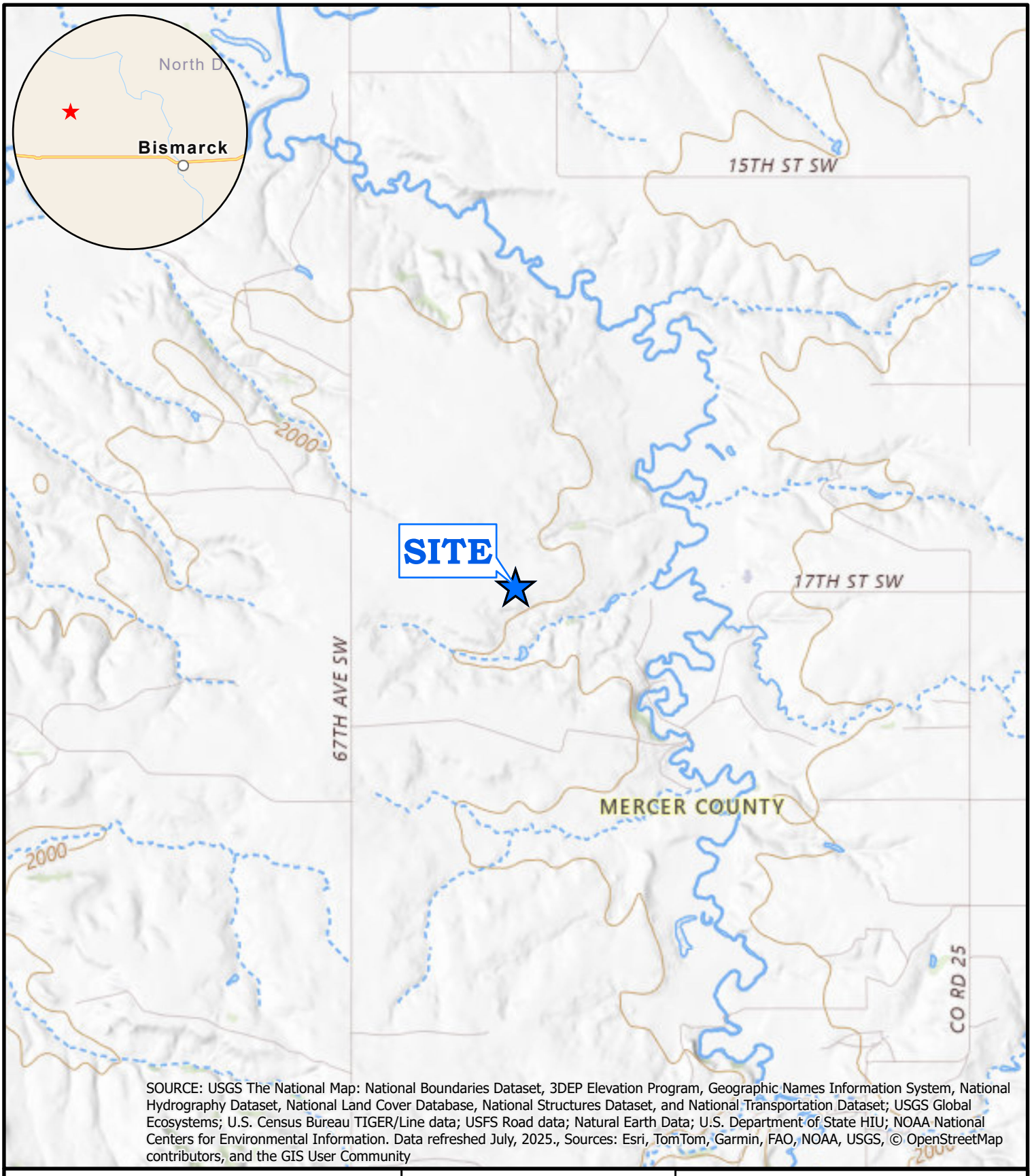
This report was reviewed by:

Wyatt Leadens
Geotechnical Supervisor / Engineer II

APPENDIX A

FIGURES

AMERICAN
ENGINEERING TESTING



SOURCE: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed July, 2025., Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

AMERICAN ENGINEERING TESTING

N

0 1 2

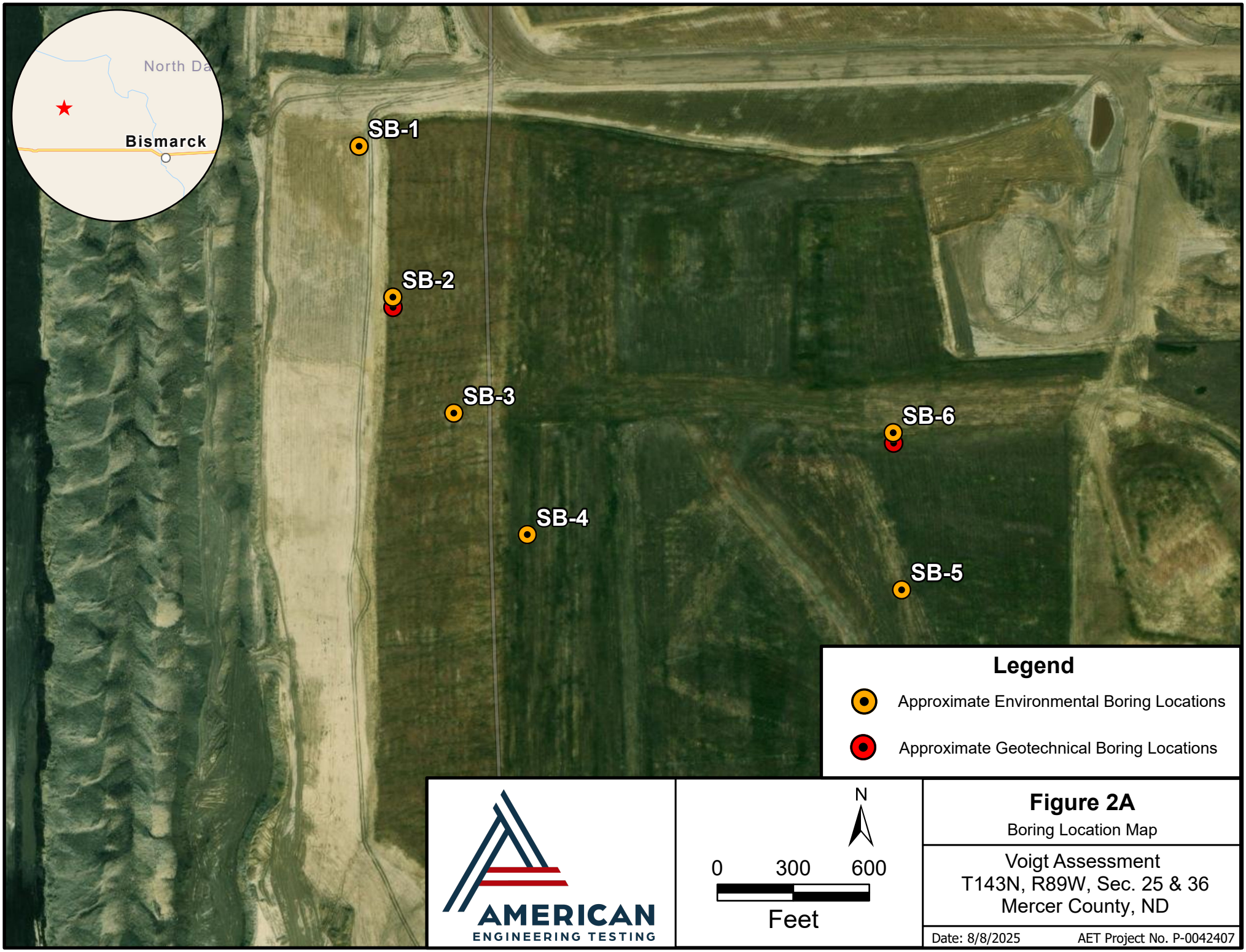
Miles

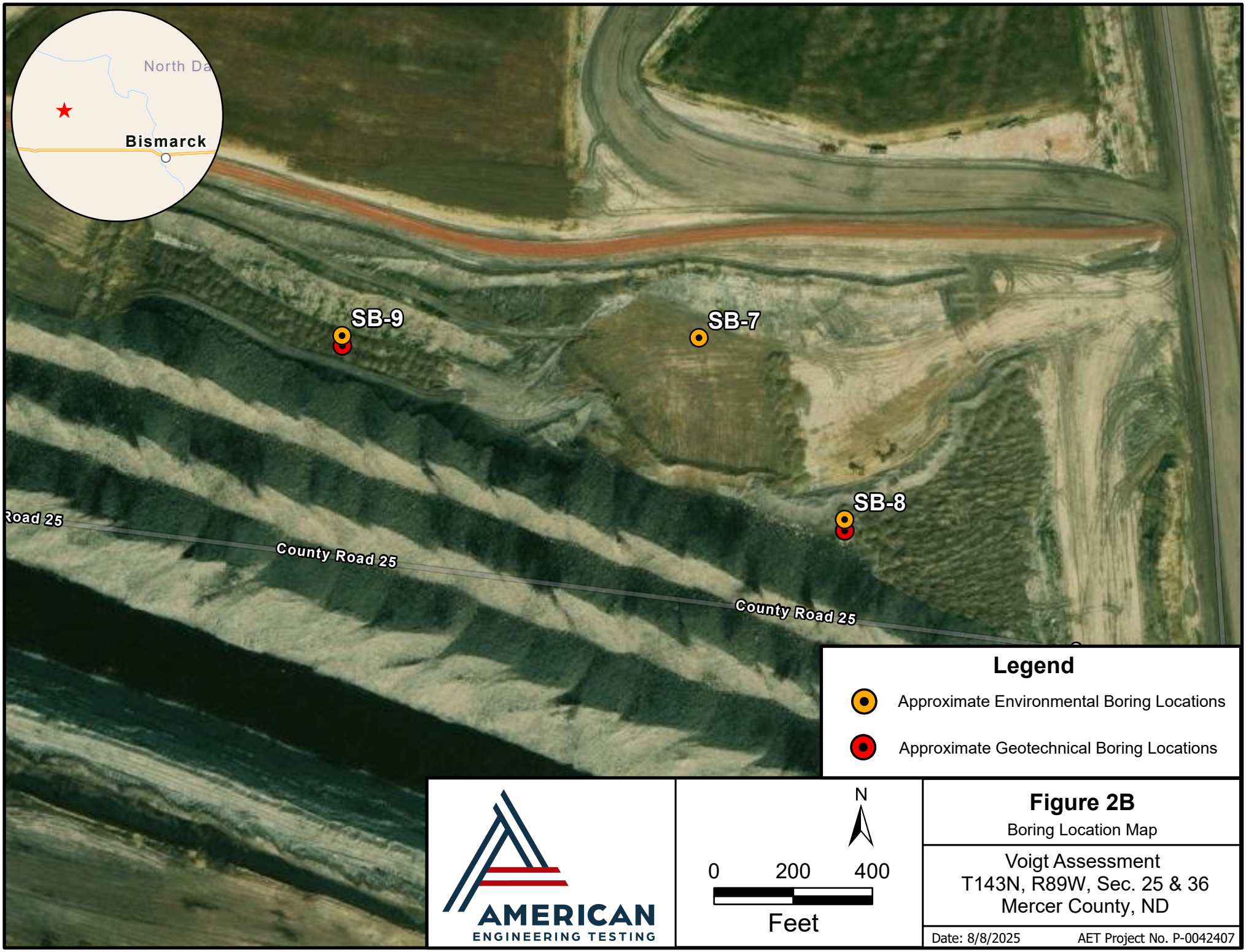
Figure 1

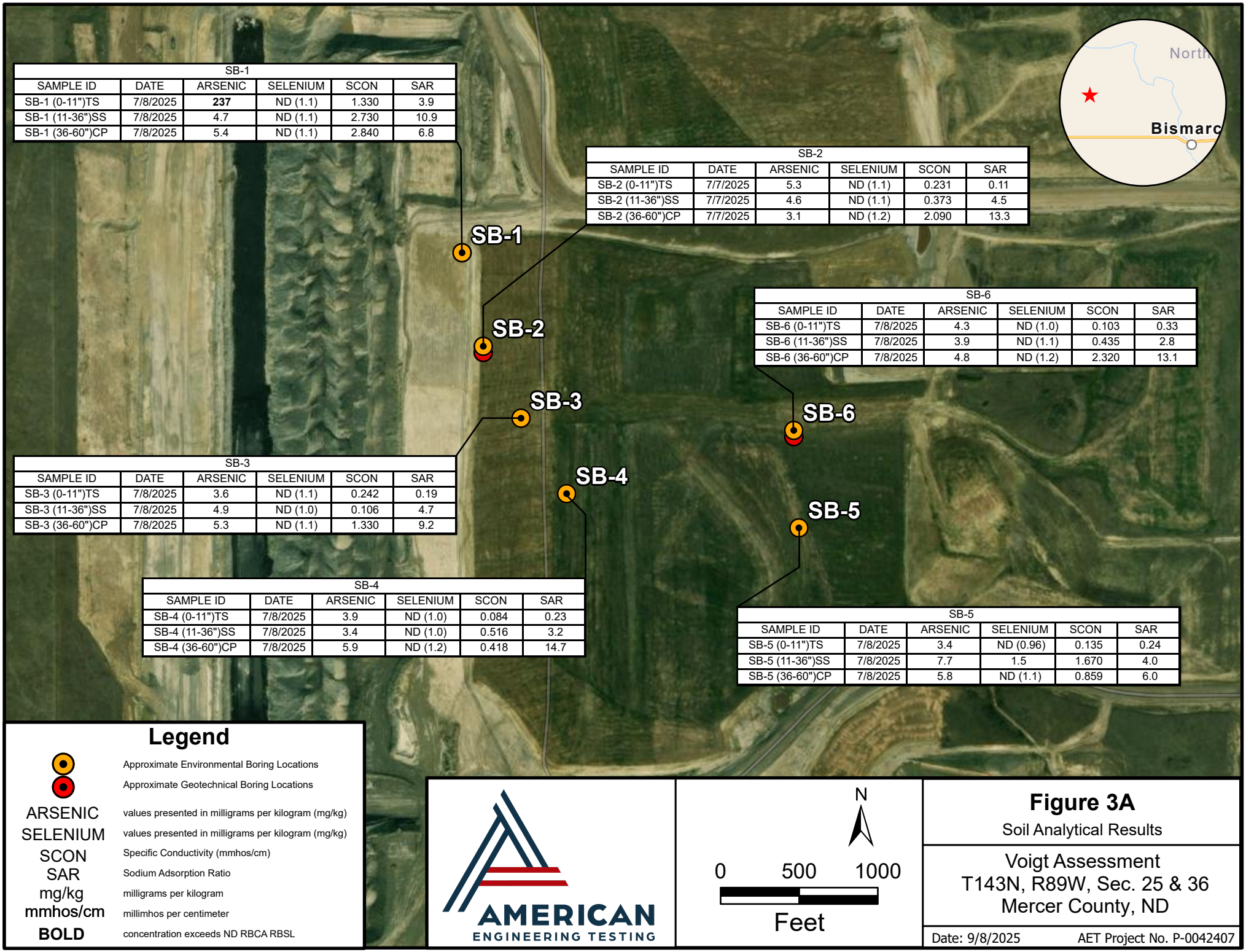
Site Location Map

Voigt Assessment
T143N, R89W, Sec. 25 & 36
Mercer County, ND

Date: 8/8/2025 AET Project No. P-0042407


North Da
Bismarck
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
Legend
Approximate Environmental Boring Locations
Approximate Geotechnical Boring Locations
AMERICAN
ENGINEERING TESTING
N
0
300
600
Feet
Figure 2A
Boring Location Map
Voigt Assessment
T143N, R89W, Sec. 25 & 36
Mercer County, ND
Date: 8/8/2025
AET Project No. P-0042407


North Da
Bismarck
SB-9
SB-7
SB-8
Road 25
County Road 25
County Road 25
Legend
Approximate Environmental Boring Locations
Approximate Geotechnical Boring Locations
AMERICAN
ENGINEERING TESTING
N
0
200
400
Feet
Figure 2B
Boring Location Map
Voigt Assessment
T143N, R89W, Sec. 25 & 36
Mercer County, ND
Date: 8/8/2025
AET Project No. P-0042407



SB-1					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-1 (0-11")TS	7/8/2025	**237**	ND (1.1)	1.330	3.9
SB-1 (11-36")SS	7/8/2025	4.7	ND (1.1)	2.730	10.9
SB-1 (36-60")CP	7/8/2025	5.4	ND (1.1)	2.840	6.8

SB-2					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-2 (0-11")TS	7/7/2025	5.3	ND (1.1)	0.231	0.11
SB-2 (11-36")SS	7/7/2025	4.6	ND (1.1)	0.373	4.5
SB-2 (36-60")CP	7/7/2025	3.1	ND (1.2)	2.090	13.3

SB-6					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-6 (0-11")TS	7/8/2025	4.3	ND (1.0)	0.103	0.33
SB-6 (11-36")SS	7/8/2025	3.9	ND (1.1)	0.435	2.8
SB-6 (36-60")CP	7/8/2025	4.8	ND (1.2)	2.320	13.1

SB-3					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-3 (0-11")TS	7/8/2025	3.6	ND (1.1)	0.242	0.19
SB-3 (11-36")SS	7/8/2025	4.9	ND (1.0)	0.106	4.7
SB-3 (36-60")CP	7/8/2025	5.3	ND (1.1)	1.330	9.2

SB-4					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-4 (0-11")TS	7/8/2025	3.9	ND (1.0)	0.084	0.23
SB-4 (11-36")SS	7/8/2025	3.4	ND (1.0)	0.516	3.2
SB-4 (36-60")CP	7/8/2025	5.9	ND (1.2)	0.418	14.7

SB-5					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-5 (0-11")TS	7/8/2025	3.4	ND (0.96)	0.135	0.24
SB-5 (11-36")SS	7/8/2025	7.7	1.5	1.670	4.0
SB-5 (36-60")CP	7/8/2025	5.8	ND (1.1)	0.859	6.0

Legend

	Approximate Environmental Boring Locations
	Approximate Geotechnical Boring Locations
ARSENIC	values presented in milligrams per kilogram (mg/kg)
SELENIUM	values presented in milligrams per kilogram (mg/kg)
SCON	Specific Conductivity (mmhos/cm)
SAR	Sodium Adsorption Ratio
mg/kg	milligrams per kilogram
mmhos/cm	millimhos per centimeter
BOLD	concentration exceeds ND RBCA RBSL

AMERICAN ENGINEERING TESTING

N

0 500 1000

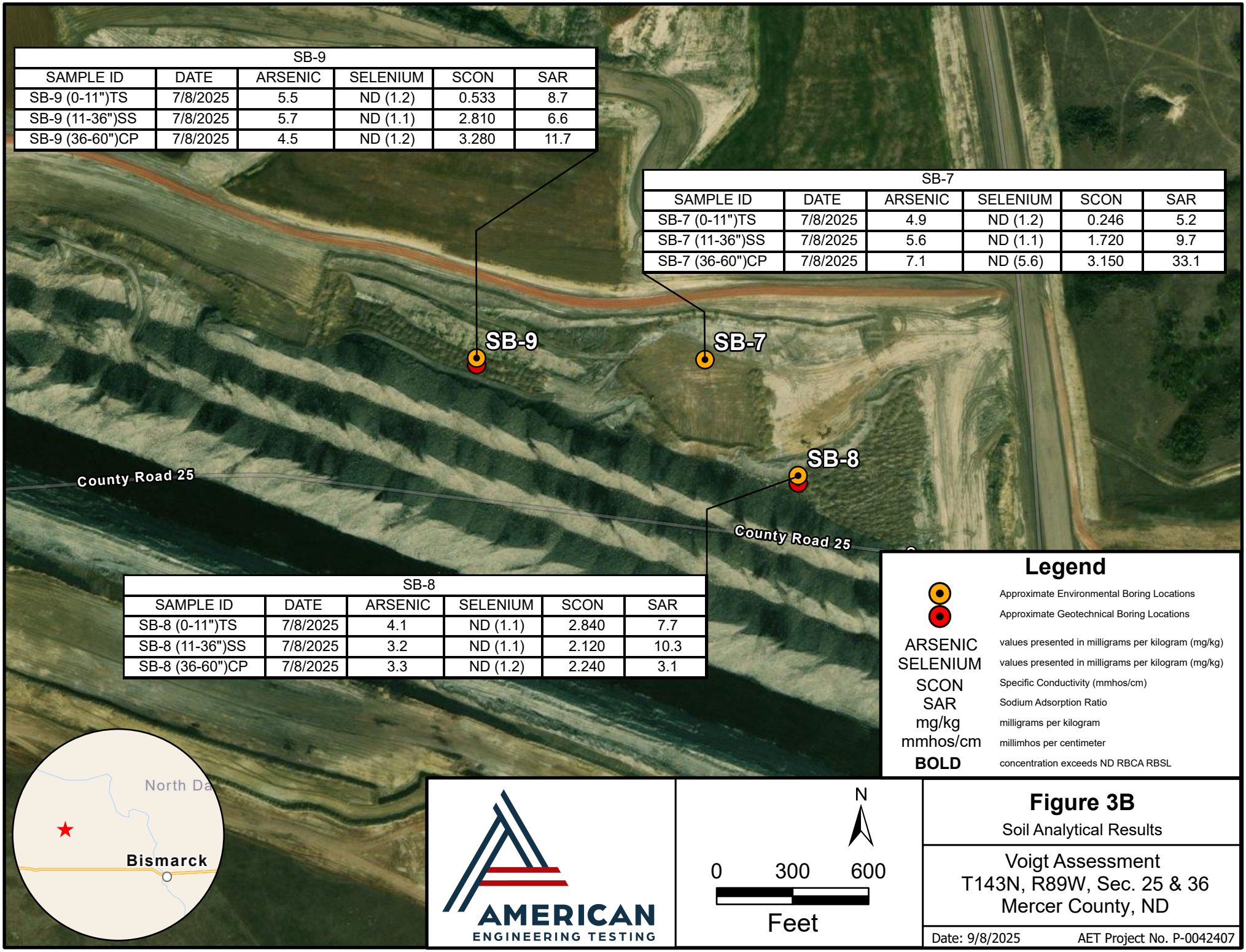
Feet

Figure 3A

Soil Analytical Results

Voigt Assessment
T143N, R89W, Sec. 25 & 36
Mercer County, ND

Date: 9/8/2025 AET Project No. P-0042407



SB-9					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-9 (0-11")TS	7/8/2025	5.5	ND (1.2)	0.533	8.7
SB-9 (11-36")SS	7/8/2025	5.7	ND (1.1)	2.810	6.6
SB-9 (36-60")CP	7/8/2025	4.5	ND (1.2)	3.280	11.7

SB-7					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-7 (0-11")TS	7/8/2025	4.9	ND (1.2)	0.246	5.2
SB-7 (11-36")SS	7/8/2025	5.6	ND (1.1)	1.720	9.7
SB-7 (36-60")CP	7/8/2025	7.1	ND (5.6)	3.150	33.1

SB-8					
SAMPLE ID	DATE	ARSENIC	SELENIUM	SCON	SAR
SB-8 (0-11")TS	7/8/2025	4.1	ND (1.1)	2.840	7.7
SB-8 (11-36")SS	7/8/2025	3.2	ND (1.1)	2.120	10.3
SB-8 (36-60")CP	7/8/2025	3.3	ND (1.2)	2.240	3.1

Legend

	Approximate Environmental Boring Locations
	Approximate Geotechnical Boring Locations
ARSENIC	values presented in milligrams per kilogram (mg/kg)
SELENIUM	values presented in milligrams per kilogram (mg/kg)
SCON	Specific Conductivity (mmhos/cm)
SAR	Sodium Adsorption Ratio
mg/kg	milligrams per kilogram
mmhos/cm	millimhos per centimeter
BOLD	concentration exceeds ND RBCA RBSL

AMERICAN ENGINEERING TESTING

N

0 300 600

Feet

Figure 3B

Soil Analytical Results

Voigt Assessment
T143N, R89W, Sec. 25 & 36
Mercer County, ND

Date: 9/8/2025 AET Project No. P-0042407

APPENDIX B

METHODOLOGIES

AMERICAN
ENGINEERING TESTING

METHODOLOGIES

Work performed was conducted in general accordance with:

ND Risk-Based Corrective Action (RBCA) Technical Guidance, NDDEQ, Revision: 01/2023.

The following are brief descriptions of the methodologies used during this study.

Soil Boring and Sample Locations

Soil samples are collected at locations agreed upon by the client to determine environmental and geotechnical soil conditions.

Soil Boring Sampling - Environmental

Soil borings are advanced with a Geoprobe® drill rig using direct push technology. Direct push soil samples are collected using a 2.25 inch outside diameter by 5-foot sample tube. The soil core samples are collected on a continuous basis to the terminal depth of the borings. Soil samples are collected from the sample tube lined with a Geoprobe® PVC sample liner which is inserted into the sample tube for each five-foot sampling interval.

Soil Boring Sampling – Geotechnical

Soil samples are collected utilizing the ASTM D1587 and D3550 method. Samples are collected in 2-foot intervals until the terminal depth of each respective boring. Representative portions of recorded samples are sealed in a laboratory-specified container and submitted for review, testing, and final classification.

Soil Sample Screening

The soil samples are screened for the presence of electrical conductivity (EC) as an indication of produced water impacts using a soil EC meter. This instrument provides readings in micro siemens per centimeter (µS/cm), in which the lower detectable limit is approximately 0.1 µS/cm.

Contamination Reduction

The Geoprobe rig, rod, and sampler were steam cleaned prior to mobilization and in between sample collection.

Soil Boring Abandonment

Following completion of field investigation activities, any soil borings not completed as permanent monitoring wells are abandoned in accordance with North Dakota Administrative Code Chapter 33-18-02 regulations.

Chemical Analysis – Soil

The soil samples are analyzed for the presence and concentration of arsenic, selenium, SAR, and specific conductivity according to the appropriate North Dakota approved methods. The samples are shipped to a North Dakota certified laboratory in a cooler chilled with ice or ice packs.

Chain of Custody

Upon collection of samples to be analyzed in the laboratory, a chain of custody log is initiated. The chain of custody log included the following information: project, work order number, shipped by, shipped to, project manager, sampling point, location, field identification number, date taken, sample type, number of containers, analysis required, and sampler's signature.

The chain of custody log is delivered with the samples to the laboratory. Upon arrival at the laboratory, the samples are checked in and custody of the samples signed over to the appropriate laboratory personnel. A copy of the chain of custody log is submitted to the project manager.

Quality Assurance/Quality Control (QA/QC)

QA/QC manuals are available at AET offices for your review.

Reporting

A report is prepared that 1) presents and summarizes the results of the work conducted and 2) include Site location and study area maps.

Staffing

Anthony Ligutom is the Project Manager for this project. The Project Manager is assisted by the balance of the North Dakota and South Dakota AET staff as needed.

APPENDIX C

SOIL BORING LOGS

AMERICAN
ENGINEERING TESTING

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-1 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,075'** LATITUDE: **47.18087243** LONGITUDE: **-101.89915396**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
1	No Recovery		0.14		DP						
2	LEAN CLAY, trace gravel and mottling, brown, moist (CL)										
3											
4			1.51		DP						
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD
5.0	**DP**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**13:25**	**5.0**	**--**	**--**	**--**	**None**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-2 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,075'** LATITUDE: **47.17976459** LONGITUDE: **-101.89878853**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
	No Recovery										
1	SILT, dark brown, moist (ML)		0.47		DP						
2							15	110			
3	SANDY SILT, fine grained, dark brown, moist (ML)		1.75		DP		28	95			
4	LEAN CLAY, brown, moist (CL)										
5							26	94			
	Bottom of Boring										

DEPTH:	DRILLING METHOD
5.0	**DP**

BORING COMPLETED: **7/7/25**

DR: **AL** LG: Rig:

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/7/25	**15:05**	**5.0**	**--**	**--**	**--**	**None**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-3 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,065'** LATITUDE: **47.17891326** LONGITUDE: **-101.89813128**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
1	No Recovery		0.05		DP						
2	SILT, light brown, dry (ML)										
3	LEAN CLAY, trace mottling and fine grained sand, brown, moist (CL)		1.02		DP						
4											
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD
5.0	**DP**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**13:55**	**5.0**	**--**	**--**	**--**	**None**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-4 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,057'** LATITUDE: **47.17801990** LONGITUDE: **-101.89733834**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
1	No Recovery		0.74		DP						
2	SANDY SILT, fine grained, light brown, dry (ML)										
3											
4	SILTY SAND, fine grained, reddish-brown, moist (SP)		0.22		DP						
5	LEAN CLAY, grey, moist (CL)										
	Bottom of Boring										

DEPTH:	DRILLING METHOD
5.0	**DP**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**14:30**	**5.0**	**--**	**--**	**--**	**None**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-5 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,032'** LATITUDE: **47.17761528** LONGITUDE: **-101.89329163**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
	No Recovery										
1	SANDY SILT, fine grained, light brown, dry (ML)		0.28		DP						
2											
3	moist below 3 feet		0.61		DP						
4											
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD	WATER LEVEL MEASUREMENTS							NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG
		DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL	
5.0	**DP**	**7/8/25**	**14:55**	**5.0**	**--**	**--**	**--**	**None**	
BORING COMPLETED:	**7/8/25**								
DR: **AL**	LG:	Rig:							

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-6 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,053'** LATITUDE: **47.17876867** LONGITUDE: **-101.89338157**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
1	No Recovery		0.02		DP		10	86			
	SILT, trace mottling, light brown, dry (ML)						9	95			
2							6	97			
	CLAYEY SILT, trace roots, dark brown, moist (ML)						13	92			
3							16	91			
			2.34		DP		20	91			
4							13	112			
	LEAN CLAY, grey, moist (CL)						14	118			
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD
5.0	**DP**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**8:50**	**5.0**	**--**	**--**	**--**	**None**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-7 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,064'** LATITUDE: **47.16124360** LONGITUDE: **-101.89452525**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
	No Recovery										
1	LEAN CLAY, trace lignite, brown, moist (CL)		2.20		DP						
2											
3	grey below 3.33 feet		0.40		DP						
4											
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD
5.0	**DP**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**12:55**	**5.0**	**--**	**--**	**--**	**None**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-8 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,073'** LATITUDE: **47.16038890** LONGITUDE: **-101.89351773**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
	CLAYEY SILT, dark brown, moist (ML)						14	103			
1	LEAN CLAY, trace lignite and mottling, brown, moist (CL)		2.13		DP						
2							25	100			
3			1.33		DP						
4							21	110			
							19	102			
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD
5.0	**DP**

WATER LEVEL MEASUREMENTS						
DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
7/8/25	**10:15**	**5.0**	**--**	**--**	**--**	**None**

BORING COMPLETED: **7/8/25**

DR: **AL** LG: Rig:

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

SUBSURFACE BORING LOG

AET JOB NO: **P-0042407** LOG OF BORING NO. **SB-9 (p. 1 of 1)**

PROJECT: **Voigt Assessment; Mercer County, North Dakota**

SURFACE ELEVATION: **2,072'** LATITUDE: **47.16125364** LONGITUDE: **-101.89699363**

DEPTH IN FEET	MATERIAL DESCRIPTION	GEOLOGY	EC	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS				
							WC	DEN	LL	PL	qp
	No Recovery						17	80			
1	SILT, light brown, dry (ML)		0.94		DP		16	88			
							18	87			
2	LEAN CLAY, trace gravel, dark brown, moist (CL)						21	86			
3							21	88			
			1.71		DP		22	90			
4							19	107			
							19	113			
5	**Bottom of Boring**										

DEPTH:	DRILLING METHOD	WATER LEVEL MEASUREMENTS						
		DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
5.0	**DP**	**7/8/25**	**12:05**	**5.0**	**--**	**--**	**--**	**None**
BORING COMPLETED:	**7/8/25**							
DR: **AL**	LG: Rig:							

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP W-LAT-LONG P-0042407 ENVIRO LOGS KK.GPJ AET+CPT+WELL.GDT 8/21/25

APPENDIX D

TABLES

AMERICAN
ENGINEERING TESTING

TABLE 1
Soil Analytical Results
Voigt Assessment
Mercer County, North Dakota

Sample ID	Date Collected	Sample Depth (inches bg)	Arsenic (mg/kg)	Selenium (mg/kg)	Specific Conductivity (mmhos/cm)	SAR	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)
ND RBCA RBSL			**30**	**5,840**	**NE**	**NE**	**NE**	**NE**	**NE**
SB-1 (0-11")TS	7/8/2025	0-11	**237**	ND (1.1)	1.330	3.9	3,300	5,020	334
SB-1 (11-36")SS	7/8/2025	11-36	4.7	ND (1.1)	2.730	10.9	9,540	7,460	778
SB-1 (36-60")CP	7/8/2025	36-60	5.4	ND (1.1)	2.840	6.8	15,400	8,810	967
SB-2 (0-11")TS	7/7/2025	0-11	5.3	ND (1.1)	0.231	0.11	4,780	4,190	ND (54.9)
SB-2 (11-36")SS	7/7/2025	11-36	4.6	ND (1.1)	0.373	4.5	8,010	4,760	85.4
SB-2 (36-60")CP	7/72025	36-60	3.1	ND (1.2)	2.090	13.3	2,090	4,810	1,210
SB-3 (0-11")TS	7/8/2025	0-11	3.6	ND (1.1)	0.242	0.19	1,280	1,900	ND (53.5)
SB-3 (11-36")SS	7/8/2025	11-36	4.9	ND (1.0)	0.106	4.7	9,680	4,750	277
SB-3 (36-60")CP	7/8/2025	36-60	5.3	ND (1.1)	1.330	9.2	10,100	9,020	994
SB-4 (0-11")TS	7/8/2025	0-11	3.9	ND (1.0)	0.084	0.23	1,670	2,040	ND (51.2)
SB-4 (11-36")SS	7/8/2025	11-36	3.4	ND (1.0)	0.516	3.2	1,770	1,790	271
SB-4 (36-60")CP	7/8/2025	36-60	5.9	ND (1.2)	0.418	14.7	1,380	2,150	105
SB-5 (0-11")TS	7/8/2025	0-11	3.4	ND (0.96)	0.135	0.24	1,610	1,900	ND (48.1)
SB-5 (11-36")SS	7/8/2025	11-36	7.7	1.5	1.670	4.0	10,200	6,420	469
SB-5 (36-60")CP	7/8/2025	36-60	5.8	ND (1.1)	0.859	6.0	15,500	8,190	952
SB-6 (0-11")TS	7/8/2025	0-11	4.3	ND (1.0)	0.103	0.33	1,730	2,270	ND (52.2)
SB-6 (11-36")SS	7/8/2025	11-36	3.9	ND (1.1)	0.435	2.8	19,400	7,210	173
SB-6 (36-60")CP	7/8/2025	36-60	4.8	ND (1.2)	2.320	13.1	12,800	6,390	958
SB-7 (0-11")TS	7/8/2025	0-11	4.9	ND (1.2)	0.246	5.2	1,360	2,400	291
SB-7 (11-36")SS	7/8/2025	11-36	5.6	ND (1.1)	1.720	9.7	12,700	7,600	703
SB-7 (36-60")CP	7/8/2025	36-60	7.1	ND (5.6)	3.150	33.1	11,300	8,480	955
SB-8 (0-11")TS	7/8/2025	0-11	4.1	ND (1.1)	2.840	7.7	3,080	2,420	324
SB-8 (11-36")SS	7/8/2025	11-36	3.2	ND (1.1)	2.120	10.3	11,000	9,120	705
SB-8(36-60")CP	7/8/2025	36-60	3.3	ND (1.2)	2.240	3.1	6,290	5,700	444
SB-9 (0-11")TS	7/8/2025	0-11	5.5	ND (1.2)	0.533	8.7	5,280	3,990	412
SB-9 (11-36")SS	7/8/2025	11-36	5.7	ND (1.1)	2.810	6.6	2,190	4,270	799
SB-9 (36-60")CP	7/8/2025	36-60	4.5	ND (1.2)	3.280	11.7	11,400	8,380	1,290

Legend:

inches bg = inches below grade
NE = not established
mg/kg = milligrams per kilogram
mmhos/cm = millimhos per centimeter
ND (1.0) = concentration was not detected above laboratory reporting limits, reporting limit in parentheses
ND RBCA RBSLs = North Dakota Risk-Based Corrective Action Risk-Based Screening Levels, values established using the ND RBCA RBSLs for Commercial/Industrial WorkerTable 6-1(b) Tier 1 RBSLs

APPENDIX E

MOISTURE-DENSITY RELATIONSHIP (PROCTOR) TEST REPORT, PERMEABILITY TEST RESULTS AND, LABORATORY ANALYTICAL REPORTS (ENVIRONMENTAL)

AMERICAN
ENGINEERING TESTING

American Engineering Testing, Inc.
Bismarck
3320 Hamilton St, Unit 6
Bismarck, ND 58505
(701) 425-5791
www.teamAET.com

Proctor Report

Report No: PTR:AET-229505-S5
Issue No: 1

Client: Braaten Law Firm **CC:**

Project: Voigt Assessment

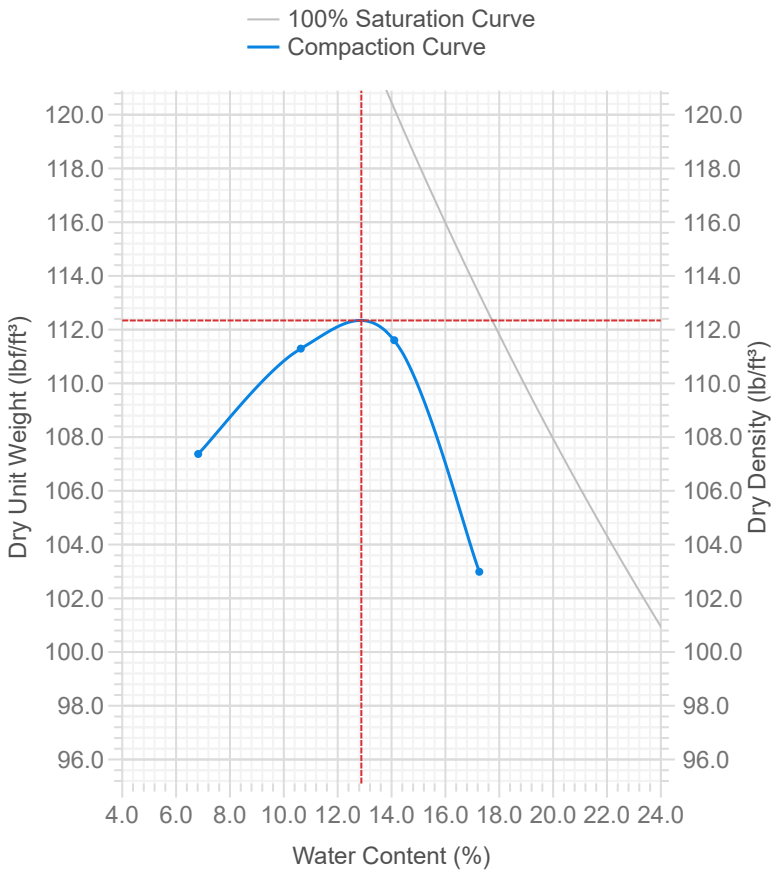
Zap ND
Job No: P-0042407

Date of Issue: 8/21/2025
Reviewed By: Kally Knutson
Geologist I

Sample Details

Sample ID: AET-229505-S5
Date Sampled: 7/7/2025
Material: Silt, dark brown (ML)
General Location: Geotech Boring
Location: SB-2
Depth: 0-24"
Sampled By: Rapid City

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D698

Std. Maximum Dry Unit Weight (lbf/ft³):	**112.3**
Std. Optimum Water Content (%):	**12.9**
Retained on 3/8″ Sieve (%):	0
Passing 3/8″ Sieve (%):	100
Cumulative Retained on No.4 Sieve (%):	1
Retained on No.4 Sieve (%):	0
Passing No.4 Sieve (%):	99
Method:	A
Preparation Method:	Moist
Test Portion Specific Gravity:	2.65
Determined By:	Estimated
Tested By:	Rapid City
Date Tested:	7/28/2025

Comments

American Engineering Testing, Inc.
Bismarck
3320 Hamilton St, Unit 6
Bismarck, ND 58505
(701) 425-5791
www.teamAET.com

Proctor Report

Report No: PTR:AET-229505-S1
Issue No: 1

Client: Braaten Law Firm **CC:**

Project: Voigt Assessment

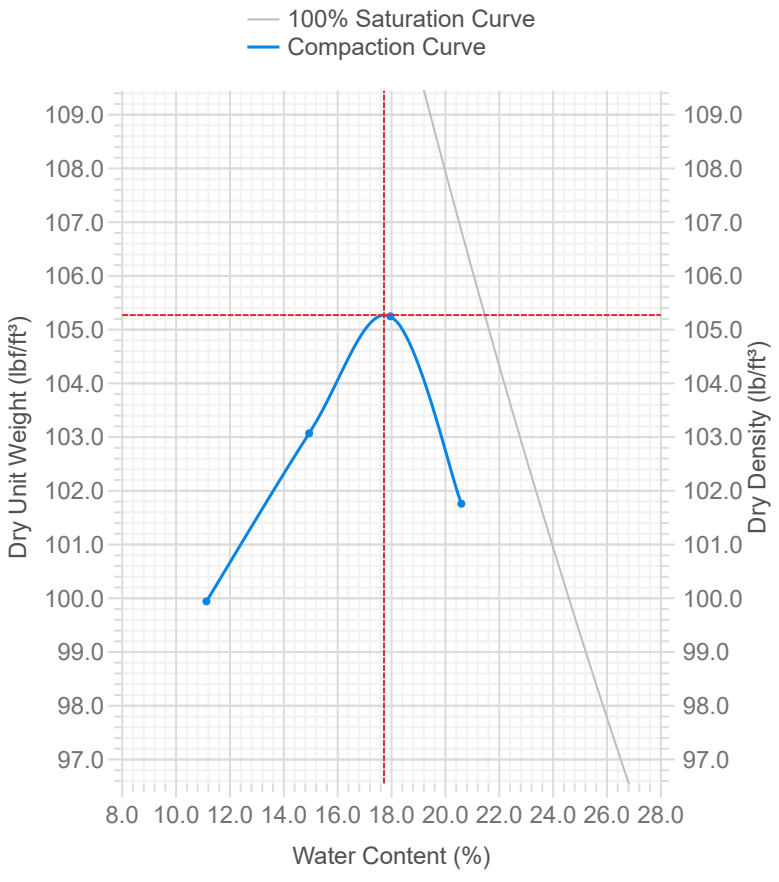
Zap ND
Job No: P-0042407

Date of Issue: 8/21/2025
Reviewed By: Kally Knutson
Geologist I

Sample Details

Sample ID: AET-229505-S1
Date Sampled: 7/7/2025
Material: Sandy Silt, dark brown (ML)
General Location: Geotech Boring
Location: SB-2
Depth: 24-48"
Sampled By: Rapid City

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D698

Std. Maximum Dry Unit Weight (lbf/ft³):	**105.3**
Std. Optimum Water Content (%):	**17.7**
Retained on 3/4″ Sieve (%):	0
Passing 3/4″ Sieve (%):	100
Cumulative Retained on 3/8″ Sieve (%):	0
Retained on 3/8″ Sieve (%):	0
Passing 3/8″ Sieve (%):	100
Cumulative Retained on No.4 Sieve (%):	1
Retained on No.4 Sieve (%):	0
Passing No.4 Sieve (%):	99
Method:	A
Preparation Method:	Moist
Test Portion Specific Gravity:	2.65
Determined By:	Estimated
Tested By:	Rapid City
Date Tested:	7/18/2025

Comments

American Engineering Testing, Inc.
Bismarck
3320 Hamilton St, Unit 6
Bismarck, ND 58505
(701) 425-5791
www.teamAET.com

Proctor Report

Report No: PTR:AET-229505-S2
Issue No: 1

Client: Braaten Law Firm **CC:**

Project: Voigt Assessment

Zap ND
Job No: P-0042407

Date of Issue: 8/21/2025
Reviewed By: Kally Knutson
Geologist I

Sample Details

Sample ID: AET-229505-S2
Date Sampled: 7/7/2025
Material: Lean Clay, brown (CL)
General Location: Geotech Boring
Location: SB-2
Depth: 48-72"
Sampled By: Rapid City

Dry Unit Weight - Water Content Relationship

Test Results

ASTM D698

Std. Maximum Dry Unit Weight (lbf/ft³):	**108.1**
Std. Optimum Water Content (%):	**12.3**
Retained on 3/4″ Sieve (%):	0
Passing 3/4″ Sieve (%):	100
Cumulative Retained on 3/8″ Sieve (%):	0
Retained on 3/8″ Sieve (%):	0
Passing 3/8″ Sieve (%):	100
Cumulative Retained on No.4 Sieve (%):	1
Retained on No.4 Sieve (%):	0
Passing No.4 Sieve (%):	99
Method:	A
Preparation Method:	Moist
Test Portion Specific Gravity:	2.65
Determined By:	Estimated
Tested By:	Rapid City
Date Tested:	7/18/2025

Comments

American Engineering Testing, Inc.
Bismarck
3320 Hamilton St, Unit 6
Bismarck, ND 58505
(701) 425-5791
www.teamAET.com

Proctor Report

Report No: PTR:AET-229505-S4
Issue No: 1

Client: Braaten Law Firm **CC:**

Project: Voigt Assessment

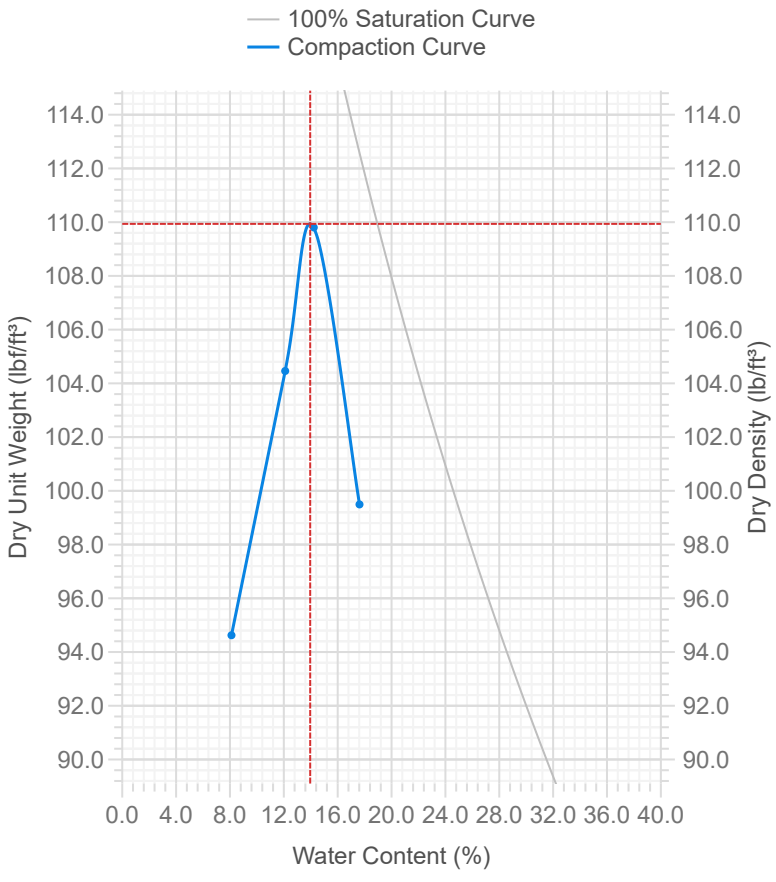
Zap ND
Job No: P-0042407

Date of Issue: 8/21/2025
Reviewed By: Kally Knutson
Geologist I

Sample Details

Sample ID: AET-229505-S4
Date Sampled: 7/8/2025
Material: Clayey Silt, dark brown (ML)
General Location: Geotech Boring
Location: SB-8
Depth: 0-24"
Sampled By: Rapid City

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D698

Std. Maximum Dry Unit Weight (lbf/ft³):	**109.9**
Std. Optimum Water Content (%):	**14.0**
Retained on 3/8″ Sieve (%):	0
Passing 3/8″ Sieve (%):	100
Cumulative Retained on No.4 Sieve (%):	1
Retained on No.4 Sieve (%):	0
Passing No.4 Sieve (%):	99
Method:	A
Preparation Method:	Moist
Test Portion Specific Gravity:	2.65
Determined By:	Estimated
Tested By:	Rapid City
Date Tested:	7/28/2025

Comments

American Engineering Testing, Inc.
Bismarck
3320 Hamilton St, Unit 6
Bismarck, ND 58505
(701) 425-5791
www.teamAET.com

Proctor Report

Report No: PTR:AET-229505-S3
Issue No: 1

Client: Braaten Law Firm **CC:**

Project: Voigt Assessment

Zap ND
Job No: P-0042407

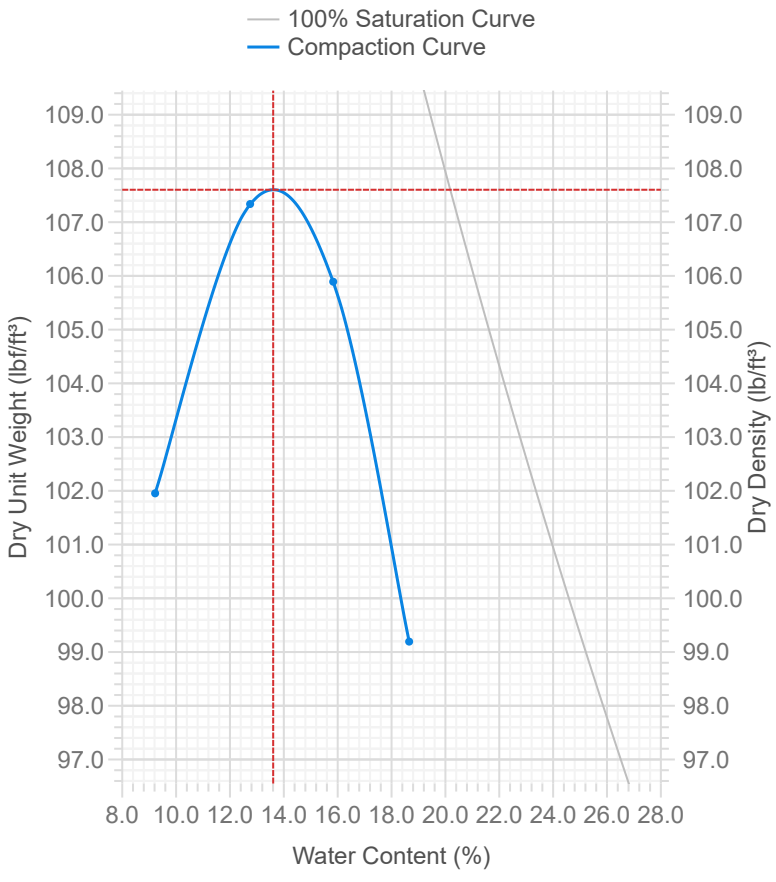
Kally Knutson

Date of Issue: 8/21/2025
Reviewed By: Kally Knutson
Geologist I

Sample Details

Sample ID: AET-229505-S3
Date Sampled: 7/8/2025
Material: Lean Clay, brown (CL)
General Location: Geotech Boring
Location: SB-8
Depth: 24-48"
Sampled By: Rapid City

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D698

Std. Maximum Dry Unit Weight (lbf/ft³):	**107.6**
Std. Optimum Water Content (%):	**13.6**
Retained on 3/8″ Sieve (%):	0
Passing 3/8″ Sieve (%):	100
Cumulative Retained on No.4 Sieve (%):	0
Retained on No.4 Sieve (%):	0
Passing No.4 Sieve (%):	100
Method:	A
Preparation Method:	Moist
Test Portion Specific Gravity:	2.65
Determined By:	Estimated
Tested By:	Rapid City
Date Tested:	7/18/2025

Comments

Hydraulic Conductivity Test Data ASTM D5084

Project: Voigt Assessment Date: 8/12/2025

Client: American Engineering Testing, Inc. Job No.: 15972

Boring No.:		SB-2	SB-2	SB-2	SB-8	SB-8		
Sample No.:								
Depth (in):		8-27	27-45	45-60	0-12	12-60		
Approximate Test Depth (in):		20-24	39-45	54-60	4-10	30-36		
Sample Type:		TWT	TWT	TWT	TWT	TWT		
Soil Classification:		Silt (ML)	Sandy Silt (ML)	Lean Clay (CL)	Clayey Silt (ML)	Lean Clay (CL)		
Atterberg Limits	Liquid Limit:							
	Plastic Limit:							
	Plasticity Index:							
Permeability Test		Intact Flex Wall	Intact Flex Wall	Intact Flex Wall	Intact Flex Wall	Intact Flex Wall		
Before Test Conditions	Saturation %:							
	Porosity:							
	Height (in):	3.09	2.95	2.81	2.73	2.91		
	Diameter (in):	2.89	2.88	2.85	2.85	2.87		
	Dry Density (pcf):	109.7	95.3	93.7	103.4	99.6		
	Water Content:	15.2%	28.4%	26.4%	14.0%	25.4%		
Test Conditions	Test Type:	Falling Head	Falling Head	Falling Head	Falling Head	Falling Head		
	Max Head (ft):	5.0	5.0	5.0	5.0	5.0		
	Confining press. (Effective-psi):	2.0	2.0	2.0	2.0	2.0		
	Trial Numbers:	9-13	8-12	9-13	9-13	8-12		
	Water Temp °C:	23.0	23.0	23.0	23.0	23.0		
	Compaction:							
	Saturation %:	95.2%	100.0%	96.7%	95.6%	97.7%		
Coefficient of Permeability								
K @ 20 °C (cm/sec)		**1.5×10^{-7}**	**1.1×10^{-8}**	**9.0×10^{-8}**	**4.5×10^{-6}**	**7.3×10^{-9}**		
K @ 20 °C (ft/min)		**3.0×10^{-7}**	**2.2×10^{-8}**	**1.8×10^{-7}**	**8.8×10^{-6}**	**1.4×10^{-8}**		
Notes:								

9530 James Ave South

ET OIL ENGINEERING TESTING, INC.

Bloomington, MN 55431

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 23, 2025

REVIEWED
By Anthony Ligutom at 2:28 pm, Aug 26, 2025

Taylor Roth
American Engineering Testing
2110 Lovett Ave #5
Bismarck, ND 58504

RE: Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Dear Taylor Roth:

Enclosed are the analytical results for sample(s) received by the laboratory on July 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Yeng Ozawa
yeng.ozawa@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Anthony Ligutom, American Engineering Testing

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification via A2LA #: R-036
North Dakota Certification via MN #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Pace Analytical Services National

New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10741954001	**SB-1(0-11")TS**	Solid	07/08/25 13:35	07/10/25 08:50
10741954002	**SB-1(11-36")SS**	Solid	07/08/25 13:40	07/10/25 08:50
10741954003	**SB-1(36-60")CP**	Solid	07/08/25 13:45	07/10/25 08:50
10741954004	**SB-2(0-11")TS**	Solid	07/07/25 15:17	07/10/25 08:50
10741954005	**SB-2(11-36")SS**	Solid	07/07/25 15:24	07/10/25 08:50
10741954006	**SB-2(36-60")CP**	Solid	07/07/25 15:30	07/10/25 08:50
10741954007	**SB-3(0-11")TS**	Solid	07/08/25 14:00	07/10/25 08:50
10741954008	**SB-3(11-36")SS**	Solid	07/08/25 14:05	07/10/25 08:50
10741954009	**SB-3(36-60")CP**	Solid	07/08/25 14:10	07/10/25 08:50
10741954010	**SB-4(0-11")TS**	Solid	07/08/25 14:35	07/10/25 08:50
10741954011	**SB-4(11-36")SS**	Solid	07/08/25 14:40	07/10/25 08:50
10741954012	**SB-4(36-60")CP**	Solid	07/08/25 14:45	07/10/25 08:50
10741954013	**SB-5(0-11")TS**	Solid	07/08/25 15:10	07/10/25 08:50
10741954014	**SB-5(11-36")SS**	Solid	07/08/25 15:15	07/10/25 08:50
10741954015	**SB-5(36-60")CP**	Solid	07/08/25 15:20	07/10/25 08:50
10741954016	**SB-6(0-11")TS**	Solid	07/08/25 09:05	07/10/25 08:50
10741954017	**SB-6(11-36")SS**	Solid	07/08/25 09:14	07/10/25 08:50
10741954018	**SB-6(36"-60)CP**	Solid	07/08/25 09:20	07/10/25 08:50
10741954019	**SB-7(0-11")TS**	Solid	07/08/25 13:00	07/10/25 08:50
10741954020	**SB-7(11-36")SS**	Solid	07/08/25 13:05	07/10/25 08:50
10741954021	**SB-7(36-60")CP**	Solid	07/08/25 13:10	07/10/25 08:50
10741954022	**SB-8(0-11")TS**	Solid	07/08/25 10:23	07/10/25 08:50
10741954023	**SB-8(11-36")SS**	Solid	07/08/25 10:28	07/10/25 08:50
10741954024	**SB-8(36-60")CP**	Solid	07/08/25 10:35	07/10/25 08:50
10741954025	**SB-9(0-11")TS**	Solid	07/08/25 12:10	07/10/25 08:50
10741954026	**SB-9(11-36")SS**	Solid	07/08/25 12:15	07/10/25 08:50
10741954027	**SB-9(36-60")CP**	Solid	07/08/25 12:20	07/10/25 08:50

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10741954001	**SB-1(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954002	**SB-1(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954003	**SB-1(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954004	**SB-2(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954005	**SB-2(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954006	**SB-2(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954007	**SB-3(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954008	**SB-3(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954009	**SB-3(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954010	**SB-4(0-11")TS**	EPA 6010D	IP	5	PASI-M

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954011	**SB-4(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954012	**SB-4(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954013	**SB-5(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954014	**SB-5(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954015	**SB-5(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954016	**SB-6(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954017	**SB-6(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954018	**SB-6(36"-60)CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954019	**SB-7(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954020	**SB-7(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954021	**SB-7(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954022	**SB-8(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954023	**SB-8(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954024	**SB-8(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954025	**SB-9(0-11")TS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954026	**SB-9(11-36")SS**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN
10741954027	**SB-9(36-60")CP**	EPA 6010D	IP	5	PASI-M
		WREP 125 S-1.6	IP	4	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 9050	KRB	1	PAN

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-1(0-11'')TS **Lab ID: 10741954001** Collected: 07/08/25 13:35 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**237**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 14:53	7440-38-2	P6
Calcium	**3300**	mg/kg	26.9	1	07/14/25 09:06	07/17/25 14:53	7440-70-2	M1,R1
Magnesium	**5020**	mg/kg	26.9	1	07/14/25 09:06	07/17/25 14:53	7439-95-4	P6
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 14:53	7782-49-2	
Sodium	**334**	mg/kg	53.7	1	07/14/25 09:06	07/17/25 14:53	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**13.0**	meq/L	0.12	5		07/22/25 16:14	7440-70-2	N2
Magnesium saturated paste	**12.3**	meq/L	0.21	5		07/22/25 16:14	7439-95-4	N2
Sodium Adsorption Ratio	**3.9**			5		07/22/25 16:14		N2
Sodium saturated paste	**13.8**	meq/L	0.22	5		07/22/25 16:14	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**10.4**	%	0.10	1		07/14/25 10:35		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**1330**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-1(11-36")SS **Lab ID: 10741954002** Collected: 07/08/25 13:40 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.7**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:01	7440-38-2	
Calcium	**9540**	mg/kg	28.0	1	07/14/25 09:06	07/17/25 15:01	7440-70-2	
Magnesium	**7460**	mg/kg	28.0	1	07/14/25 09:06	07/17/25 15:01	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:01	7782-49-2	
Sodium	**778**	mg/kg	55.9	1	07/14/25 09:06	07/17/25 15:01	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**8.6**	meq/L	0.25	10		07/22/25 16:54	7440-70-2	N2
Magnesium saturated paste	**16.8**	meq/L	0.41	10		07/22/25 16:54	7439-95-4	N2
Sodium Adsorption Ratio	**10.9**			10		07/22/25 16:54		N2
Sodium saturated paste	**39.0**	meq/L	0.44	10		07/22/25 16:54	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.9**	%	0.10	1		07/14/25 10:35		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2730**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-1(36-60")CP **Lab ID: 10741954003** Collected: 07/08/25 13:45 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.4**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:03	7440-38-2	
Calcium	**15400**	mg/kg	27.5	1	07/14/25 09:06	07/17/25 15:03	7440-70-2	
Magnesium	**8810**	mg/kg	27.5	1	07/14/25 09:06	07/17/25 15:03	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:03	7782-49-2	
Sodium	**967**	mg/kg	55.1	1	07/14/25 09:06	07/17/25 15:03	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**12.8**	meq/L	0.12	5		07/22/25 16:17	7440-70-2	N2
Magnesium saturated paste	**18.7**	meq/L	0.21	5		07/22/25 16:17	7439-95-4	N2
Sodium Adsorption Ratio	**6.8**			5		07/22/25 16:17		N2
Sodium saturated paste	**27.1**	meq/L	0.22	5		07/22/25 16:17	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.8**	%	0.10	1		07/14/25 10:36		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2840**	umhos/cm	10.0	1	07/15/25 11:05	07/17/25 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-2(0-11'')TS **Lab ID: 10741954004** Collected: 07/07/25 15:17 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.3**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:04	7440-38-2	
Calcium	**4780**	mg/kg	27.4	1	07/14/25 09:06	07/17/25 15:04	7440-70-2	
Magnesium	**4190**	mg/kg	27.4	1	07/14/25 09:06	07/17/25 15:04	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:04	7782-49-2	
Sodium	ND	mg/kg	54.9	1	07/14/25 09:06	07/17/25 15:04	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**3.0**	meq/L	0.12	5		07/22/25 16:19	7440-70-2	N2
Magnesium saturated paste	**2.1**	meq/L	0.21	5		07/22/25 16:19	7439-95-4	N2
Sodium Adsorption Ratio	**0.11**			5		07/22/25 16:19		N2
Sodium saturated paste	ND	meq/L	0.22	5		07/22/25 16:19	7440-23-5	D3,N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**11.0**	%	0.10	1		07/14/25 10:36		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**231**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-2(11-36")SS **Lab ID: 10741954005** Collected: 07/07/25 15:24 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.6**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:06	7440-38-2	
Calcium	**8010**	mg/kg	28.1	1	07/14/25 09:06	07/17/25 15:06	7440-70-2	
Magnesium	**4760**	mg/kg	28.1	1	07/14/25 09:06	07/17/25 15:06	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:06	7782-49-2	
Sodium	**85.4**	mg/kg	56.3	1	07/14/25 09:06	07/17/25 15:06	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**21.9**	meq/L	0.12	5		07/22/25 16:21	7440-70-2	N2
Magnesium saturated paste	**24.2**	meq/L	0.21	5		07/22/25 16:21	7439-95-4	N2
Sodium Adsorption Ratio	**4.5**			5		07/22/25 16:21		N2
Sodium saturated paste	**21.6**	meq/L	0.22	5		07/22/25 16:21	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.5**	%	0.10	1		07/14/25 10:36		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**373**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-2(36-60")CP **Lab ID: 10741954006** Collected: 07/07/25 15:30 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.1**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:08	7440-38-2	
Calcium	**2360**	mg/kg	30.8	1	07/14/25 09:06	07/17/25 15:08	7440-70-2	
Magnesium	**4810**	mg/kg	30.8	1	07/14/25 09:06	07/17/25 15:08	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:08	7782-49-2	
Sodium	**1210**	mg/kg	61.7	1	07/14/25 09:06	07/17/25 15:08	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**3.4**	meq/L	0.12	5		07/22/25 16:22	7440-70-2	N2
Magnesium saturated paste	**7.1**	meq/L	0.21	5		07/22/25 16:22	7439-95-4	N2
Sodium Adsorption Ratio	**13.3**			5		07/22/25 16:22		N2
Sodium saturated paste	**30.5**	meq/L	0.22	5		07/22/25 16:22	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.9**	%	0.10	1		07/14/25 10:36		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2090**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-3(0-11'')TS **Lab ID: 10741954007** Collected: 07/08/25 14:00 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.6**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:13	7440-38-2	
Calcium	**1280**	mg/kg	26.7	1	07/14/25 09:06	07/17/25 15:13	7440-70-2	
Magnesium	**1900**	mg/kg	26.7	1	07/14/25 09:06	07/17/25 15:13	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:13	7782-49-2	
Sodium	ND	mg/kg	53.5	1	07/14/25 09:06	07/17/25 15:13	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**2.5**	meq/L	0.12	5		07/22/25 16:24	7440-70-2	N2
Magnesium saturated paste	**2.1**	meq/L	0.21	5		07/22/25 16:24	7439-95-4	N2
Sodium Adsorption Ratio	**0.19**			5		07/22/25 16:24		N2
Sodium saturated paste	**0.28**	meq/L	0.22	5		07/22/25 16:24	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**9.3**	%	0.10	1		07/14/25 10:37		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**242**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-3(11-36")SS **Lab ID: 10741954008** Collected: 07/08/25 14:05 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.9**	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:14	7440-38-2	
Calcium	**9680**	mg/kg	25.2	1	07/14/25 09:06	07/17/25 15:14	7440-70-2	
Magnesium	**4750**	mg/kg	25.2	1	07/14/25 09:06	07/17/25 15:14	7439-95-4	
Selenium	ND	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:14	7782-49-2	
Sodium	**277**	mg/kg	50.4	1	07/14/25 09:06	07/17/25 15:14	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**3.1**	meq/L	0.12	5		07/22/25 16:29	7440-70-2	N2
Magnesium saturated paste	**5.2**	meq/L	0.21	5		07/22/25 16:29	7439-95-4	N2
Sodium Adsorption Ratio	**4.7**			5		07/22/25 16:29		N2
Sodium saturated paste	**9.5**	meq/L	0.22	5		07/22/25 16:29	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**5.1**	%	0.10	1		07/14/25 10:37		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**106**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-3(36-60")CP **Lab ID: 10741954009** Collected: 07/08/25 14:10 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.3**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:16	7440-38-2	
Calcium	**10100**	mg/kg	27.9	1	07/14/25 09:06	07/17/25 15:16	7440-70-2	
Magnesium	**9020**	mg/kg	27.9	1	07/14/25 09:06	07/17/25 15:16	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:16	7782-49-2	
Sodium	**994**	mg/kg	55.7	1	07/14/25 09:06	07/17/25 15:16	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**17.2**	meq/L	0.25	10		07/22/25 16:56	7440-70-2	N2
Magnesium saturated paste	**23.1**	meq/L	0.41	10		07/22/25 16:56	7439-95-4	N2
Sodium Adsorption Ratio	**9.2**			10		07/22/25 16:56		N2
Sodium saturated paste	**41.4**	meq/L	0.44	10		07/22/25 16:56	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**12.2**	%	0.10	1		07/14/25 10:37		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**1330**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-4(0-11")TS **Lab ID: 10741954010** Collected: 07/08/25 14:35 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.9**	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:18	7440-38-2	
Calcium	**1670**	mg/kg	25.6	1	07/14/25 09:06	07/17/25 15:18	7440-70-2	
Magnesium	**2040**	mg/kg	25.6	1	07/14/25 09:06	07/17/25 15:18	7439-95-4	
Selenium	ND	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:18	7782-49-2	
Sodium	ND	mg/kg	51.2	1	07/14/25 09:06	07/17/25 15:18	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**3.3**	meq/L	0.12	5		07/22/25 16:32	7440-70-2	N2
Magnesium saturated paste	**1.8**	meq/L	0.21	5		07/22/25 16:32	7439-95-4	N2
Sodium Adsorption Ratio	**0.23**			5		07/22/25 16:32		N2
Sodium saturated paste	**0.36**	meq/L	0.22	5		07/22/25 16:32	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**6.7**	%	0.10	1		07/14/25 10:37		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**84.0**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-4(11-36")SS **Lab ID: 10741954011** Collected: 07/08/25 14:40 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.4**	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:19	7440-38-2	
Calcium	**1770**	mg/kg	26.1	1	07/14/25 09:06	07/17/25 15:19	7440-70-2	
Magnesium	**1790**	mg/kg	26.1	1	07/14/25 09:06	07/17/25 15:19	7439-95-4	
Selenium	ND	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:19	7782-49-2	
Sodium	**271**	mg/kg	52.3	1	07/14/25 09:06	07/17/25 15:19	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**11.1**	meq/L	0.12	5		07/22/25 16:34	7440-70-2	N2
Magnesium saturated paste	**8.4**	meq/L	0.21	5		07/22/25 16:34	7439-95-4	N2
Sodium Adsorption Ratio	**3.2**			5		07/22/25 16:34		N2
Sodium saturated paste	**10.1**	meq/L	0.22	5		07/22/25 16:34	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**9.5**	%	0.10	1		07/14/25 10:38		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**516**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-4(36-60")CP **Lab ID: 10741954012** Collected: 07/08/25 14:45 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.9**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:21	7440-38-2	
Calcium	**1380**	mg/kg	30.1	1	07/14/25 09:06	07/17/25 15:21	7440-70-2	
Magnesium	**2150**	mg/kg	30.1	1	07/14/25 09:06	07/17/25 15:21	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:21	7782-49-2	
Sodium	**105**	mg/kg	60.3	1	07/14/25 09:06	07/17/25 15:21	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**16.7**	meq/L	0.25	10		07/22/25 16:57	7440-70-2	N2
Magnesium saturated paste	**12.1**	meq/L	0.41	10		07/22/25 16:57	7439-95-4	N2
Sodium Adsorption Ratio	**14.7**			10		07/22/25 16:57		N2
Sodium saturated paste	**55.9**	meq/L	0.44	10		07/22/25 16:57	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.3**	%	0.10	1		07/14/25 10:38		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**418**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-5(0-11'')TS **Lab ID: 10741954013** Collected: 07/08/25 15:10 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.4**	mg/kg	0.96	1	07/14/25 09:06	07/17/25 15:23	7440-38-2	
Calcium	**1610**	mg/kg	24.0	1	07/14/25 09:06	07/17/25 15:23	7440-70-2	
Magnesium	**1900**	mg/kg	24.0	1	07/14/25 09:06	07/17/25 15:23	7439-95-4	
Selenium	ND	mg/kg	0.96	1	07/14/25 09:06	07/17/25 15:23	7782-49-2	
Sodium	ND	mg/kg	48.1	1	07/14/25 09:06	07/17/25 15:23	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**5.3**	meq/L	0.12	5		07/22/25 16:37	7440-70-2	N2
Magnesium saturated paste	**3.2**	meq/L	0.21	5		07/22/25 16:37	7439-95-4	N2
Sodium Adsorption Ratio	**0.24**			5		07/22/25 16:37		N2
Sodium saturated paste	**0.49**	meq/L	0.22	5		07/22/25 16:37	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**3.5**	%	0.10	1		07/14/25 10:38		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**135**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-5(11-36")SS **Lab ID: 10741954014** Collected: 07/08/25 15:15 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**7.7**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:24	7440-38-2	
Calcium	**10200**	mg/kg	28.4	1	07/14/25 09:06	07/17/25 15:24	7440-70-2	
Magnesium	**6420**	mg/kg	28.4	1	07/14/25 09:06	07/17/25 15:24	7439-95-4	
Selenium	**1.5**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:24	7782-49-2	
Sodium	**469**	mg/kg	56.8	1	07/14/25 09:06	07/17/25 15:24	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**12.8**	meq/L	0.12	5		07/22/25 16:39	7440-70-2	N2
Magnesium saturated paste	**16.3**	meq/L	0.21	5		07/22/25 16:39	7439-95-4	N2
Sodium Adsorption Ratio	**4.0**			5		07/22/25 16:39		N2
Sodium saturated paste	**15.2**	meq/L	0.22	5		07/22/25 16:39	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.1**	%	0.10	1		07/14/25 10:38		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**1670**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-5(36-60")CP **Lab ID: 10741954015** Collected: 07/08/25 15:20 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.8**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:26	7440-38-2	
Calcium	**15500**	mg/kg	28.7	1	07/14/25 09:06	07/17/25 15:26	7440-70-2	
Magnesium	**8190**	mg/kg	28.7	1	07/14/25 09:06	07/17/25 15:26	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:26	7782-49-2	
Sodium	**952**	mg/kg	57.5	1	07/14/25 09:06	07/17/25 15:26	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**4.6**	meq/L	0.12	5		07/22/25 16:41	7440-70-2	N2
Magnesium saturated paste	**4.9**	meq/L	0.21	5		07/22/25 16:41	7439-95-4	N2
Sodium Adsorption Ratio	**6.0**			5		07/22/25 16:41		N2
Sodium saturated paste	**13.2**	meq/L	0.22	5		07/22/25 16:41	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.6**	%	0.10	1		07/14/25 10:39		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**859**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-6(0-11'')TS **Lab ID: 10741954016** Collected: 07/08/25 09:05 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.3**	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:28	7440-38-2	
Calcium	**1730**	mg/kg	26.1	1	07/14/25 09:06	07/17/25 15:28	7440-70-2	
Magnesium	**2270**	mg/kg	26.1	1	07/14/25 09:06	07/17/25 15:28	7439-95-4	
Selenium	ND	mg/kg	1.0	1	07/14/25 09:06	07/17/25 15:28	7782-49-2	
Sodium	ND	mg/kg	52.2	1	07/14/25 09:06	07/17/25 15:28	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**1.2**	meq/L	0.12	5		07/22/25 16:42	7440-70-2	N2
Magnesium saturated paste	**1.1**	meq/L	0.21	5		07/22/25 16:42	7439-95-4	N2
Sodium Adsorption Ratio	**0.33**			5		07/22/25 16:42		N2
Sodium saturated paste	**0.36**	meq/L	0.22	5		07/22/25 16:42	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**4.7**	%	0.10	1		07/14/25 10:39		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**103**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-6(11-36")SS **Lab ID: 10741954017** Collected: 07/08/25 09:14 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.9**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:33	7440-38-2	
Calcium	**19400**	mg/kg	27.0	1	07/14/25 09:06	07/17/25 15:33	7440-70-2	
Magnesium	**7210**	mg/kg	27.0	1	07/14/25 09:06	07/17/25 15:33	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:33	7782-49-2	
Sodium	**173**	mg/kg	54.0	1	07/14/25 09:06	07/17/25 15:33	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**7.3**	meq/L	0.12	5		07/22/25 16:44	7440-70-2	N2
Magnesium saturated paste	**6.8**	meq/L	0.21	5		07/22/25 16:44	7439-95-4	N2
Sodium Adsorption Ratio	**2.8**			5		07/22/25 16:44		N2
Sodium saturated paste	**7.5**	meq/L	0.22	5		07/22/25 16:44	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**13.8**	%	0.10	1		07/14/25 10:39		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**435**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-6(36''-60)CP **Lab ID: 10741954018** Collected: 07/08/25 09:20 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.8**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:34	7440-38-2	
Calcium	**12800**	mg/kg	30.6	1	07/14/25 09:06	07/17/25 15:34	7440-70-2	
Magnesium	**6390**	mg/kg	30.6	1	07/14/25 09:06	07/17/25 15:34	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:34	7782-49-2	
Sodium	**958**	mg/kg	61.2	1	07/14/25 09:06	07/17/25 15:34	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**18.9**	meq/L	0.25	10		07/22/25 16:59	7440-70-2	N2
Magnesium saturated paste	**20.2**	meq/L	0.41	10		07/22/25 16:59	7439-95-4	N2
Sodium Adsorption Ratio	**13.1**			10		07/22/25 16:59		N2
Sodium saturated paste	**58.1**	meq/L	0.44	10		07/22/25 16:59	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**18.3**	%	0.10	1		07/14/25 10:39		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2320**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-7(0-11")TS **Lab ID: 10741954019** Collected: 07/08/25 13:00 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.9**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:36	7440-38-2	
Calcium	**1360**	mg/kg	29.4	1	07/14/25 09:06	07/17/25 15:36	7440-70-2	
Magnesium	**2400**	mg/kg	29.4	1	07/14/25 09:06	07/17/25 15:36	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 15:36	7782-49-2	
Sodium	**291**	mg/kg	58.9	1	07/14/25 09:06	07/17/25 15:36	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**1.8**	meq/L	0.12	5		07/22/25 16:51	7440-70-2	N2
Magnesium saturated paste	**1.8**	meq/L	0.21	5		07/22/25 16:51	7439-95-4	N2
Sodium Adsorption Ratio	**5.2**			5		07/22/25 16:51		N2
Sodium saturated paste	**7.0**	meq/L	0.22	5		07/22/25 16:51	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.5**	%	0.10	1		07/14/25 10:40		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**246**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-7(11-36")SS **Lab ID: 10741954020** Collected: 07/08/25 13:05 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.6**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:38	7440-38-2	
Calcium	**12700**	mg/kg	28.1	1	07/14/25 09:06	07/17/25 15:38	7440-70-2	
Magnesium	**7600**	mg/kg	28.1	1	07/14/25 09:06	07/17/25 15:38	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 15:38	7782-49-2	
Sodium	**703**	mg/kg	56.2	1	07/14/25 09:06	07/17/25 15:38	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**19.9**	meq/L	0.25	10		07/22/25 17:01	7440-70-2	N2
Magnesium saturated paste	**33.5**	meq/L	0.41	10		07/22/25 17:01	7439-95-4	N2
Sodium Adsorption Ratio	**9.7**			10		07/22/25 17:01		N2
Sodium saturated paste	**50.3**	meq/L	0.44	10		07/22/25 17:01	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**13.8**	%	0.10	1		07/14/25 10:40		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**1720**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-7(36-60")CP **Lab ID: 10741954021** Collected: 07/08/25 13:10 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**7.1**	mg/kg	5.6	5	07/14/25 09:06	07/17/25 14:16	7440-38-2	
Calcium	**11300**	mg/kg	140	5	07/14/25 09:06	07/17/25 14:16	7440-70-2	P6
Magnesium	**8480**	mg/kg	140	5	07/14/25 09:06	07/17/25 14:16	7439-95-4	P6
Selenium	ND	mg/kg	5.6	5	07/14/25 09:06	07/17/25 14:16	7782-49-2	D3
Sodium	**955**	mg/kg	280	5	07/14/25 09:06	07/17/25 14:16	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**2.0**	meq/L	0.25	10		07/22/25 17:22	7440-70-2	N2
Magnesium saturated paste	**1.9**	meq/L	0.41	10		07/22/25 17:22	7439-95-4	N2
Sodium Adsorption Ratio	**33.1**			10		07/22/25 17:22		N2
Sodium saturated paste	**46.2**	meq/L	0.44	10		07/22/25 17:22	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.8**	%	0.10	1		07/14/25 12:05		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**3150**	umhos/cm	10.0	1	07/15/25 11:05	07/17/25 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-8(0-11'')TS **Lab ID: 10741954022** Collected: 07/08/25 10:23 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.1**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:49	7440-38-2	
Calcium	**3080**	mg/kg	27.6	1	07/14/25 09:06	07/17/25 13:49	7440-70-2	
Magnesium	**2420**	mg/kg	27.6	1	07/14/25 09:06	07/17/25 13:49	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:49	7782-49-2	
Sodium	**324**	mg/kg	55.3	1	07/14/25 09:06	07/17/25 13:49	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**24.6**	meq/L	0.12	5		07/22/25 17:12	7440-70-2	N2
Magnesium saturated paste	**21.4**	meq/L	0.21	5		07/22/25 17:12	7439-95-4	N2
Sodium Adsorption Ratio	**7.7**			5		07/22/25 17:12		N2
Sodium saturated paste	**36.7**	meq/L	0.22	5		07/22/25 17:12	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.7**	%	0.10	1		07/14/25 12:05		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2840**	umhos/cm	10.0	1	07/17/25 02:04	07/17/25 17:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-8(11-36")SS **Lab ID: 10741954023** Collected: 07/08/25 10:28 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.2**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:51	7440-38-2	
Calcium	**11000**	mg/kg	28.0	1	07/14/25 09:06	07/17/25 13:51	7440-70-2	
Magnesium	**9120**	mg/kg	28.0	1	07/14/25 09:06	07/17/25 13:51	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:51	7782-49-2	
Sodium	**705**	mg/kg	56.0	1	07/14/25 09:06	07/17/25 13:51	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**27.7**	meq/L	0.25	10		07/22/25 17:24	7440-70-2	N2
Magnesium saturated paste	**31.9**	meq/L	0.41	10		07/22/25 17:24	7439-95-4	N2
Sodium Adsorption Ratio	**10.3**			10		07/22/25 17:24		N2
Sodium saturated paste	**56.2**	meq/L	0.44	10		07/22/25 17:24	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.5**	%	0.10	1		07/14/25 12:06		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2120**	umhos/cm	10.0	1	07/15/25 11:13	07/15/25 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-8(36-60")CP **Lab ID: 10741954024** Collected: 07/08/25 10:35 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.3**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:53	7440-38-2	
Calcium	**6290**	mg/kg	30.6	1	07/14/25 09:06	07/17/25 13:53	7440-70-2	
Magnesium	**5700**	mg/kg	30.6	1	07/14/25 09:06	07/17/25 13:53	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:53	7782-49-2	
Sodium	**444**	mg/kg	61.3	1	07/14/25 09:06	07/17/25 13:53	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**26.0**	meq/L	0.12	5		07/22/25 17:16	7440-70-2	N2
Magnesium saturated paste	**26.6**	meq/L	0.21	5		07/22/25 17:16	7439-95-4	N2
Sodium Adsorption Ratio	**3.1**			5		07/22/25 17:16		N2
Sodium saturated paste	**16.0**	meq/L	0.22	5		07/22/25 17:16	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**20.1**	%	0.10	1		07/14/25 12:06		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2240**	umhos/cm	10.0	1	07/17/25 02:04	07/17/25 17:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-9(0-11'')TS **Lab ID: 10741954025** Collected: 07/08/25 12:10 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.5**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:54	7440-38-2	
Calcium	**5280**	mg/kg	28.8	1	07/14/25 09:06	07/17/25 13:54	7440-70-2	
Magnesium	**3990**	mg/kg	28.8	1	07/14/25 09:06	07/17/25 13:54	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:54	7782-49-2	
Sodium	**412**	mg/kg	57.7	1	07/14/25 09:06	07/17/25 13:54	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**4.4**	meq/L	0.12	5		07/22/25 17:17	7440-70-2	N2
Magnesium saturated paste	**4.8**	meq/L	0.21	5		07/22/25 17:17	7439-95-4	N2
Sodium Adsorption Ratio	**8.7**			5		07/22/25 17:17		N2
Sodium saturated paste	**18.7**	meq/L	0.22	5		07/22/25 17:17	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**15.6**	%	0.10	1		07/14/25 12:06		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**533**	umhos/cm	10.0	1	07/17/25 02:04	07/17/25 17:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-9(11-36")SS **Lab ID: 10741954026** Collected: 07/08/25 12:15 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**5.7**	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:56	7440-38-2	
Calcium	**2190**	mg/kg	27.7	1	07/14/25 09:06	07/17/25 13:56	7440-70-2	
Magnesium	**4270**	mg/kg	27.7	1	07/14/25 09:06	07/17/25 13:56	7439-95-4	
Selenium	ND	mg/kg	1.1	1	07/14/25 09:06	07/17/25 13:56	7782-49-2	
Sodium	**799**	mg/kg	55.5	1	07/14/25 09:06	07/17/25 13:56	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**10.4**	meq/L	0.12	5		07/22/25 17:19	7440-70-2	N2
Magnesium saturated paste	**14.1**	meq/L	0.21	5		07/22/25 17:19	7439-95-4	N2
Sodium Adsorption Ratio	**6.6**			5		07/22/25 17:19		N2
Sodium saturated paste	**23.2**	meq/L	0.22	5		07/22/25 17:19	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.7**	%	0.10	1		07/14/25 12:06		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2810**	umhos/cm	10.0	1	07/15/25 11:05	07/17/25 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Sample: SB-9(36-60")CP **Lab ID: 10741954027** Collected: 07/08/25 12:20 Received: 07/10/25 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.5**	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:58	7440-38-2	
Calcium	**11400**	mg/kg	29.9	1	07/14/25 09:06	07/17/25 13:58	7440-70-2	
Magnesium	**8380**	mg/kg	29.9	1	07/14/25 09:06	07/17/25 13:58	7439-95-4	
Selenium	ND	mg/kg	1.2	1	07/14/25 09:06	07/17/25 13:58	7782-49-2	
Sodium	**1290**	mg/kg	59.8	1	07/14/25 09:06	07/17/25 13:58	7440-23-5	
Sodium Adsorption Ratio, SAR	Analytical Method: WREP 125 S-1.6 Pace Analytical Services - Minneapolis							
Calcium saturated paste	**10**	meq/L	0.25	10		07/22/25 17:29	7440-70-2	N2
Magnesium saturated paste	**13.5**	meq/L	0.41	10		07/22/25 17:29	7439-95-4	N2
Sodium Adsorption Ratio	**11.7**			10		07/22/25 17:29		N2
Sodium saturated paste	**40.2**	meq/L	0.44	10		07/22/25 17:29	7440-23-5	N2
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.8**	%	0.10	1		07/14/25 12:07		N2
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**3280**	umhos/cm	10.0	1	07/17/25 02:04	07/17/25 17:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1019758
QC Batch Method: WREP 125 S-1.6
Analysis Method: WREP 125 S-1.6
Analysis Description: Saturated Paste SAR
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954001, 10741954002, 10741954003, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020

METHOD BLANK: 5315357 Matrix: Solid
Associated Lab Samples: 10741954001, 10741954002, 10741954003, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium saturated paste	meq/L	ND	0.025	07/22/25 16:09	N2
Magnesium saturated paste	meq/L	ND	0.041	07/22/25 16:09	N2
Sodium Adsorption Ratio		0.39		07/22/25 16:09	N2
Sodium saturated paste	meq/L	ND	0.044	07/22/25 16:09	N2

LABORATORY CONTROL SAMPLE & LCSD: 5315358 5315359

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Calcium saturated paste	meq/L	1	1.0	1.0	103	103	80-120	0	20	N2
Magnesium saturated paste	meq/L	1.6	1.7	1.7	103	103	80-120	0	20	N2
Sodium Adsorption Ratio			0.77	0.78				0	20	N2
Sodium saturated paste	meq/L	0.87	0.90	0.91	104	104	80-120	1	20	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1019762
QC Batch Method: WREP 125 S-1.6
Analysis Method: WREP 125 S-1.6
Analysis Description: Saturated Paste SAR
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954021, 10741954022, 10741954023, 10741954024, 10741954025, 10741954026, 10741954027

METHOD BLANK: 5315390 Matrix: Solid
Associated Lab Samples: 10741954021, 10741954022, 10741954023, 10741954024, 10741954025, 10741954026, 10741954027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium saturated paste	meq/L	ND	0.025	07/22/25 17:02	N2
Magnesium saturated paste	meq/L	ND	0.041	07/22/25 17:02	N2
Sodium Adsorption Ratio		0.16		07/22/25 17:02	N2
Sodium saturated paste	meq/L	ND	0.044	07/22/25 17:02	N2

LABORATORY CONTROL SAMPLE & LCSD: 5315391 5315392

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Calcium saturated paste	meq/L	1	0.99	1.0	99	100	80-120	1	20	N2
Magnesium saturated paste	meq/L	1.6	1.6	1.6	99	100	80-120	0	20	N2
Sodium Adsorption Ratio			0.76	0.76				0	20	N2
Sodium saturated paste	meq/L	0.87	0.87	0.87	100	100	80-120	0	20	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1018051
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954001, 10741954002, 10741954003, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020

METHOD BLANK: 5307510 Matrix: Solid
Associated Lab Samples: 10741954001, 10741954002, 10741954003, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.98	07/17/25 14:46	
Calcium	mg/kg	ND	24.4	07/17/25 14:46	
Magnesium	mg/kg	ND	24.4	07/17/25 14:46	
Selenium	mg/kg	ND	0.98	07/17/25 14:46	
Sodium	mg/kg	ND	48.8	07/17/25 14:46	

LABORATORY CONTROL SAMPLE: 5307511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.6	45.9	96	80-120	
Calcium	mg/kg	951	926	97	80-120	
Magnesium	mg/kg	951	880	92	80-120	
Selenium	mg/kg	47.6	44.3	93	80-120	
Sodium	mg/kg	951	937	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5307512 5307513

Parameter	Units	10741954001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	237	54	53.8	49.4	49.0	-348	-350	75-125	1	20	P6
Calcium	mg/kg	3300	1080	1070	5630	4410	216	103	75-125	24	20	M1,R1
Magnesium	mg/kg	5020	1080	1070	7070	7310	190	213	75-125	3	20	P6
Selenium	mg/kg	ND	54	53.8	43.8	42.6	79	77	75-125	3	20	
Sodium	mg/kg	334	1080	1070	1270	1280	87	88	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1018052
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954021, 10741954022, 10741954023, 10741954024, 10741954025, 10741954026, 10741954027

METHOD BLANK: 5307514 Matrix: Solid
Associated Lab Samples: 10741954021, 10741954022, 10741954023, 10741954024, 10741954025, 10741954026, 10741954027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.95	07/17/25 13:33	
Calcium	mg/kg	ND	23.7	07/17/25 13:33	
Magnesium	mg/kg	ND	23.7	07/17/25 13:33	
Selenium	mg/kg	ND	0.95	07/17/25 13:33	
Sodium	mg/kg	ND	47.3	07/17/25 13:33	

LABORATORY CONTROL SAMPLE: 5307515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48	46.5	97	80-120	
Calcium	mg/kg	961	927	97	80-120	
Magnesium	mg/kg	961	883	92	80-120	
Selenium	mg/kg	48	45.3	94	80-120	
Sodium	mg/kg	961	936	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5307516 5307517

Parameter	Units	10741954021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	7.1	56.3	56.7	59.1	59.0	92	92	75-125	0	20	
Calcium	mg/kg	11300	1130	1130	10100	10300	-106	-90	75-125	2	20	P6
Magnesium	mg/kg	8480	1130	1130	9570	8920	96	39	75-125	7	20	P6
Selenium	mg/kg	ND	56.3	56.7	51.7	53.4	90	92	75-125	3	20	
Sodium	mg/kg	955	1130	1130	1970	2110	90	102	75-125	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1018101
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954001, 10741954002, 10741954003, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020

SAMPLE DUPLICATE: 5307649

Parameter	Units	10741954001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	9.8	6	30	N2

SAMPLE DUPLICATE: 5307650

Parameter	Units	10741954011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.5	9.8	3	30	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 1018102
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10741954021, 10741954022, 10741954023, 10741954024, 10741954025, 10741954026, 10741954027

SAMPLE DUPLICATE: 5307651

Parameter	Units	10741954021 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.8	18.3	3	30	N2

SAMPLE DUPLICATE: 5307652

Parameter	Units	10742131004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.5	20.5	5	30	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2559773
QC Batch Method: EPA 9050
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954003, 10741954021, 10741954026

METHOD BLANK: R4246095-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/17/25 00:00	

LABORATORY CONTROL SAMPLE: R4246095-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	549	94.5	90.0-110	

SAMPLE DUPLICATE: R4246095-3

Parameter	Units	L1877515-07 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	204	205	0.196	20	

SAMPLE DUPLICATE: R4246095-4

Parameter	Units	10741954003 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	2840	2830	0.106	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2559773
QC Batch Method: 9050A
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954003, 10741954021, 10741954026

METHOD BLANK: R4246095-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/17/25 00:00	

LABORATORY CONTROL SAMPLE: R4246095-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	549	94.5	90.0-110	

SAMPLE DUPLICATE: R4246095-3

Parameter	Units	L1877515-07 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	204	205	0.196	20	

SAMPLE DUPLICATE: R4246095-4

Parameter	Units	10741954003 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	2840	2830	0.106	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2559791
QC Batch Method: EPA 9050
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954001, 10741954002, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020, 10741954023

METHOD BLANK: R4245416-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/15/25 19:30	

LABORATORY CONTROL SAMPLE: R4245416-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	548	94.3	90.0-110	

SAMPLE DUPLICATE: R4245416-3

Parameter	Units	10741954013 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	135	135	0.00	20	

SAMPLE DUPLICATE: R4245416-4

Parameter	Units	10741954023 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	2120	2130	0.235	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2559791
QC Batch Method: 9050A
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954001, 10741954002, 10741954004, 10741954005, 10741954006, 10741954007, 10741954008, 10741954009, 10741954010, 10741954011, 10741954012, 10741954013, 10741954014, 10741954015, 10741954016, 10741954017, 10741954018, 10741954019, 10741954020, 10741954023

METHOD BLANK: R4245416-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/15/25 19:30	

LABORATORY CONTROL SAMPLE: R4245416-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	548	94.3	90.0-110	

SAMPLE DUPLICATE: R4245416-3

Parameter	Units	10741954013 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	135	135	0.00	20	

SAMPLE DUPLICATE: R4245416-4

Parameter	Units	10741954023 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	2120	2130	0.235	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2561098
QC Batch Method: EPA 9050
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954022, 10741954024, 10741954025, 10741954027

METHOD BLANK: R4246495-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/17/25 17:20	

LABORATORY CONTROL SAMPLE: R4246495-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	583	100	90.0-110	

SAMPLE DUPLICATE: R4246495-3

Parameter	Units	L1878226-03 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	272	272	0.00	20	

SAMPLE DUPLICATE: R4246495-4

Parameter	Units	L1878528-06 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	3500	3500	0.00	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

QC Batch: 2561098
QC Batch Method: 9050A
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10741954022, 10741954024, 10741954025, 10741954027

METHOD BLANK: R4246495-1 Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	07/17/25 17:20	

LABORATORY CONTROL SAMPLE: R4246495-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	581	583	100	90.0-110	

SAMPLE DUPLICATE: R4246495-3

Parameter	Units	L1878226-03 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	272	272	0.00	20	

SAMPLE DUPLICATE: R4246495-4

Parameter	Units	L1878528-06 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	3500	3500	0.00	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10741954001
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954002
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954003
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954004
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954005
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954006
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954007
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954008
[1] Wet Chemistry by Method 9050AMod - at 25C

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

SAMPLE QUALIFIERS

Sample: 10741954009
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954010
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954011
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954012
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954013
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954014
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954015
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954016
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954017
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954018
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954019
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954020
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954021
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954022
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954023
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954024
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954025
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954026
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: 10741954027
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4245416-1
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4245416-2
[1] Wet Chemistry by Method 9050AMod - at 25C

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

SAMPLE QUALIFIERS

Sample: R4245416-3
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4245416-4
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246095-1
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246095-2
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246095-3
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246095-4
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246495-1
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246495-2
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246495-3
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4246495-4
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1877515-07
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1878226-03
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1878528-06
[1] Wet Chemistry by Method 9050AMod - at 25C

BATCH QUALIFIERS

Batch: 1019758
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1019762
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10741954001	**SB-1(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954002	**SB-1(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954003	**SB-1(36-60")CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954004	**SB-2(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954005	**SB-2(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954006	**SB-2(36-60")CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954007	**SB-3(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954008	**SB-3(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954009	**SB-3(36-60")CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954010	**SB-4(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954011	**SB-4(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954012	**SB-4(36-60")CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954013	**SB-5(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954014	**SB-5(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954015	**SB-5(36-60")CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954016	**SB-6(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954017	**SB-6(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954018	**SB-6(36"-60)CP**	EPA 3050B	1018051	EPA 6010D	1018287
10741954019	**SB-7(0-11")TS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954020	**SB-7(11-36")SS**	EPA 3050B	1018051	EPA 6010D	1018287
10741954021	**SB-7(36-60")CP**	EPA 3050B	1018052	EPA 6010D	1018288
10741954022	**SB-8(0-11")TS**	EPA 3050B	1018052	EPA 6010D	1018288
10741954023	**SB-8(11-36")SS**	EPA 3050B	1018052	EPA 6010D	1018288
10741954024	**SB-8(36-60")CP**	EPA 3050B	1018052	EPA 6010D	1018288
10741954025	**SB-9(0-11")TS**	EPA 3050B	1018052	EPA 6010D	1018288
10741954026	**SB-9(11-36")SS**	EPA 3050B	1018052	EPA 6010D	1018288
10741954027	**SB-9(36-60")CP**	EPA 3050B	1018052	EPA 6010D	1018288
10741954001	**SB-1(0-11")TS**	WREP 125 S-1.6	1019758		
10741954002	**SB-1(11-36")SS**	WREP 125 S-1.6	1019758		
10741954003	**SB-1(36-60")CP**	WREP 125 S-1.6	1019758		
10741954004	**SB-2(0-11")TS**	WREP 125 S-1.6	1019758		
10741954005	**SB-2(11-36")SS**	WREP 125 S-1.6	1019758		
10741954006	**SB-2(36-60")CP**	WREP 125 S-1.6	1019758		
10741954007	**SB-3(0-11")TS**	WREP 125 S-1.6	1019758		
10741954008	**SB-3(11-36")SS**	WREP 125 S-1.6	1019758		
10741954009	**SB-3(36-60")CP**	WREP 125 S-1.6	1019758		
10741954010	**SB-4(0-11")TS**	WREP 125 S-1.6	1019758		
10741954011	**SB-4(11-36")SS**	WREP 125 S-1.6	1019758		
10741954012	**SB-4(36-60")CP**	WREP 125 S-1.6	1019758		
10741954013	**SB-5(0-11")TS**	WREP 125 S-1.6	1019758		
10741954014	**SB-5(11-36")SS**	WREP 125 S-1.6	1019758		
10741954015	**SB-5(36-60")CP**	WREP 125 S-1.6	1019758		
10741954016	**SB-6(0-11")TS**	WREP 125 S-1.6	1019758		
10741954017	**SB-6(11-36")SS**	WREP 125 S-1.6	1019758		
10741954018	**SB-6(36"-60)CP**	WREP 125 S-1.6	1019758		
10741954019	**SB-7(0-11")TS**	WREP 125 S-1.6	1019758		
10741954020	**SB-7(11-36")SS**	WREP 125 S-1.6	1019758		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10741954021	**SB-7(36-60")CP**	WREP 125 S-1.6	1019762		
10741954022	**SB-8(0-11")TS**	WREP 125 S-1.6	1019762		
10741954023	**SB-8(11-36")SS**	WREP 125 S-1.6	1019762		
10741954024	**SB-8(36-60")CP**	WREP 125 S-1.6	1019762		
10741954025	**SB-9(0-11")TS**	WREP 125 S-1.6	1019762		
10741954026	**SB-9(11-36")SS**	WREP 125 S-1.6	1019762		
10741954027	**SB-9(36-60")CP**	WREP 125 S-1.6	1019762		
10741954001	**SB-1(0-11")TS**	ASTM D2974	1018101		
10741954002	**SB-1(11-36")SS**	ASTM D2974	1018101		
10741954003	**SB-1(36-60")CP**	ASTM D2974	1018101		
10741954004	**SB-2(0-11")TS**	ASTM D2974	1018101		
10741954005	**SB-2(11-36")SS**	ASTM D2974	1018101		
10741954006	**SB-2(36-60")CP**	ASTM D2974	1018101		
10741954007	**SB-3(0-11")TS**	ASTM D2974	1018101		
10741954008	**SB-3(11-36")SS**	ASTM D2974	1018101		
10741954009	**SB-3(36-60")CP**	ASTM D2974	1018101		
10741954010	**SB-4(0-11")TS**	ASTM D2974	1018101		
10741954011	**SB-4(11-36")SS**	ASTM D2974	1018101		
10741954012	**SB-4(36-60")CP**	ASTM D2974	1018101		
10741954013	**SB-5(0-11")TS**	ASTM D2974	1018101		
10741954014	**SB-5(11-36")SS**	ASTM D2974	1018101		
10741954015	**SB-5(36-60")CP**	ASTM D2974	1018101		
10741954016	**SB-6(0-11")TS**	ASTM D2974	1018101		
10741954017	**SB-6(11-36")SS**	ASTM D2974	1018101		
10741954018	**SB-6(36"-60)CP**	ASTM D2974	1018101		
10741954019	**SB-7(0-11")TS**	ASTM D2974	1018101		
10741954020	**SB-7(11-36")SS**	ASTM D2974	1018101		
10741954021	**SB-7(36-60")CP**	ASTM D2974	1018102		
10741954022	**SB-8(0-11")TS**	ASTM D2974	1018102		
10741954023	**SB-8(11-36")SS**	ASTM D2974	1018102		
10741954024	**SB-8(36-60")CP**	ASTM D2974	1018102		
10741954025	**SB-9(0-11")TS**	ASTM D2974	1018102		
10741954026	**SB-9(11-36")SS**	ASTM D2974	1018102		
10741954027	**SB-9(36-60")CP**	ASTM D2974	1018102		
10741954001	**SB-1(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954002	**SB-1(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954003	**SB-1(36-60")CP**	9050A	2559773	EPA 9050	2559773
10741954004	**SB-2(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954005	**SB-2(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954006	**SB-2(36-60")CP**	9050A	2559791	EPA 9050	2559791
10741954007	**SB-3(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954008	**SB-3(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954009	**SB-3(36-60")CP**	9050A	2559791	EPA 9050	2559791
10741954010	**SB-4(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954011	**SB-4(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954012	**SB-4(36-60")CP**	9050A	2559791	EPA 9050	2559791

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: P-0042407 Voigt Assessment
Pace Project No.: 10741954

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10741954013	**SB-5(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954014	**SB-5(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954015	**SB-5(36-60")CP**	9050A	2559791	EPA 9050	2559791
10741954016	**SB-6(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954017	**SB-6(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954018	**SB-6(36"-60)CP**	9050A	2559791	EPA 9050	2559791
10741954019	**SB-7(0-11")TS**	9050A	2559791	EPA 9050	2559791
10741954020	**SB-7(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954021	**SB-7(36-60")CP**	9050A	2559773	EPA 9050	2559773
10741954022	**SB-8(0-11")TS**	9050A	2561098	EPA 9050	2561098
10741954023	**SB-8(11-36")SS**	9050A	2559791	EPA 9050	2559791
10741954024	**SB-8(36-60")CP**	9050A	2561098	EPA 9050	2561098
10741954025	**SB-9(0-11")TS**	9050A	2561098	EPA 9050	2561098
10741954026	**SB-9(11-36")SS**	9050A	2559773	EPA 9050	2559773
10741954027	**SB-9(36-60")CP**	9050A	2561098	EPA 9050	2561098

Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields.

WO#: 10741954

10741954

Company Name:	AET North Dakota
Street Address:	2110 Lovett Ave #5 Bismarck, ND 58504
Customer Project #:	P-0012407
Project Name:	Voigt Assessment
Site Collection Info/Facility ID (as applicable):	
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Contact/Report To:	Taylor Roth
Phone #:	7019411857
E-Mail:	troth@teamaet.com
Cc E-Mail:	aligutom@tacumed.com
Invoice To:	Mark Blixt
Invoice E-Mail:	mblixt@teamaet.com
Purchase Order # (if applicable):	
Quote #:	
County / State origin of sample(s):	North Dakota
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010D - Arsenic, Selenium, SAR	9050 Specific Conductance	Dry Weight by ASTM D2974	Sample Comment
SB=1 (0=11") TS					7.8.2025	1335			3	X	X	X	001
SB=1 (11=36") SS					7.8.2025	1340			3	X	X	X	002
SB=1 (36=60") CP					7.8.2025	1345			3	X	X	X	003
SB=2 (0=11") TS					7.7.2025	1517			3	X	X	X	004
SB=2 (11=36") SS					7.7.2025	1524			3	X	X	X	005
SB=2 (36=60") CP					7.7.2025	1530			3	X	X	X	006
SB=3 (0=11") TS					7.8.2025	1400			3	X	X	X	007
SB=3 (11=36") SS					7.8.2025	1405			3	X	X	X	008
SB=3 (36=60") CP					7.8.2025	1410			3	X	X	X	009
SB=4 (0=11") TS					7.8.2025	1435			3	X	X	X	010

Specify Container Size***:

Identify Container Preservative Type***:

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 5gmL, (10) Other

***Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Na2S2O3 Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr.: Yeng Ozawa; Acctnum / Client ID:; Table #:; Profile / Template: 48160 / 48160; Prelog / Bottle Ord. ID: EZ 3268896 / EZ 3268896; Preservation in accordance with terms listed for sample.

Additional Instructions from Pace®:

Collected By (Printed Name): Anthony Ligutom

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

#Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	T6	+0.1	1.7 / 3.9	1.8 / 4.0	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	AET North Dakota
Street Address:	2110 Lovett Ave #5 Bismarck, ND 58504
Customer Project #:	P-0012407
Project Name:	Volgt Assessment
Site Collection Info/Facility ID (as applicable):	
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Contact/Report To:	Taylor Roth
Phone #:	7011941185728
E-Mail:	troth@teamaet.com
Cc E-Mail:	Gillis.thom@teamaet.com
Invoice To:	Mark Blixt
Invoice E-Mail:	mblixt@teamaet.com
Purchase Order # (if applicable):	
Quote #:	
County / State origin of sample(s):	North Dakota
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010D - Arsenic, Selenium, SAR	9050 Specific Conductance	Dry Weight by ASTM D2974	Lab Use Only	Sample Comment
SB-4 (11-36") SS					7.8.2025	1446				X	X	X		011
SB-4 (36-60") CP					7.8.2025	1445				X	X	X		012
SB-5 (0-11") TS					7.8.2025	1510				X	X	X		013
SB-5 (11-36") SS					7.8.2025	1515				X	X	X		014
SB-5 (36-60") CP					7.8.2025	1520				X	X	X		015
SB-6 (0-4") TS					7.8.2025	905				X	X	X		016
SB-6 (11-36") SS					7.8.2025	914				X	X	X		017
SB-6 (36-60") CP					7.8.2025	920				X	X	X		018
SB-7 (0-4") TS					7.8.2025	1300				X	X	X		019
SB-11 (36-60") SS														

Additional Instructions from Pace®:
Additional Instructions from Pace®: 11-36"

Collected By: (Printed Name): Anthony Lipton
Signature: Anthony Lipton

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp (°C)	On Ice:
	T6	+0.1	2.7 / 3.9 / 4.4	2.8 / 4.0 / 4.5	Y

Project Mgr.: Yeng Ozawa
Acct.Num. / Client ID:
Table #: 48160 / 48180
Profile / Template:
Prelog / Bottle Ord. ID: EZ 3268896 / EZ 3268896

Preservation non-conformances noted in field or sample.

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Anthony Lipton / AET	7/9/25 1230		7/10/25 850
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] Ups [ ] Other

Page: 1 of 3

Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: AET North Dakota
Street Address: 2110 Lovett Ave #5
Bismarck, ND 58504

Contact/Report To: Taylor Roth
Phone #: 701-940-8578
E-Mail: troth@teamaet.com
Cc E-Mail: clipton@teamaet.com
Invoice To: Mark Blixt
Invoice E-Mail: mblixt@teamaet.com
Purchase Order # (if applicable):
Quote #:
County / State origin of sample(s): North Dakota

Customer Project #: P-00424 07
Project Name: Voigt Assessment
Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ______

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

***Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Yeng Ozawa
AcctNum / Client ID:
Table #:
Profile / Template: 48160
Prelog / Bottle Ord. ID: EZ 3268896

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010D - Arsenic, Selenium, SAR	9050 Specific Conductance	Dry Weight by ASTM D2974	Sample Comment
SB-7 (11-36") SS	SS				1305		3			X	X	X	020
SB-7 (36-60") CP	SS				1310		3			X	X	X	021
SB-8 (0-11") TS	SS				1023		3			X	X	X	022
SB-8 (11-36") SS	SS				1028		3			X	X	X	023
SB-8 (36-60") CP	SS				1035		3			X	X	X	024
SB-9 (0-11") TS	SS				1210		3			X	X	X	025
SB-9 (11-36") SS	SS				1215		3			X	X	X	026
SB-9 (36-60") CP	SS				1220		3			X	X	X	027

Additional Instructions from Pace®:

Collected By: (Printed Name) Ashley Lipton
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	T6	+0.1	2.7, 3.9, 4.0	2.8, 4.0, 4.1	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ashley Lipton AET	7/9/2025 1230	[signature] Pace	7/10/25 850

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 3

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt

Person Examining & Date: JMW 7/10/25 **PROJECT #:**

WO#: 10741954

PM: YD1 Due Date: 07/24/25

CLIENT: AET ND

Client Name: AET North Dakota

Custody Seal Present: ☐ YES ☐ NO **Seals Intact:** ☐ YES ☐ NO

Tracking Number: 4521 6045 4447

☐ See Exceptions form ENV-FRM-MIN4-0142.

Courier: ☐ Client ☐ Commercial ☑ FedEx ☐ Pace Courier/Field ☐ SpeeDee ☐ UPS ☐ USPS

Packing Material: ☑ Bubble Bags ☑ Bubble Wrap ☐ None ☐ Other: ______ **Biological Tissue Frozen:** ☐ YES ☑ NO

Thermometer: ☐ T1(0461) ☐ T2(0431) ☐ T3(0459) ☐ T4(0402) ☐ T5(0187) ☑ T6(0336) ☐ T7(0377) ☐ T8(0775) ☐ T9(0428) ☐ 01339252(0710)

Type of Ice: ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Temp Blank: ☑ YES ☐ NO

NOTE: Temp should be ≤6°C, but above freezing.

Read Temp w/Temp Blank: 2.7, 3.4, 4.1 °C

Correction Factor: -0.1

Corrected Temp w/Temp Blank: 2.6, 3.3, 4.0 °C

Did Samples Originate in West Virginia: ☐ YES ☑ NO (list temps on exception)

Were All Container Temps Taken: ☐ YES ☐ NO ☑ N/A

Average Corrected Temp (No Temp Blank Only): ______

☐ See Exceptions form ENV-FRM-MIN4-0142. ☐ 1 Container

USDA Regulated Soil: ☐ N/A – Water Sample/Other (describe): ______

Did Samples originate from one of the following states (check maps): ☐ YES ☑ NO
Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

Are samples from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☑ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA

	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? (i.e., Analysis/ID/Date/Time)	☑	☐		1. Date and time for sample
Chain of Custody Relinquished?	☑	☐		2. SB-7 through SB-9
Sampler Name and/or Signature on COC?	☑	☐	☐	3. SB-7(11-36)=1305, SB-7(36-60)=1310,
Samples Arrived within Hold Time? If Fecal: ☐ ≤8 hrs ☐ >8 hr but ≤24 hr ☐ >24 hr	☑	☐		4. SB-8(0-11)=1023 SB-8(11-36)=1025 SB-8(36-60)=920 SB-9(0-11)=1218
Short Hold Time Analysis (≤72 hr)?	☐	☑		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Turbidity ☐ Other: ______
Rush Turn Around Time Requested?	☐	☑		6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date:
Sufficient Sample Volume? (If NO, list approximate volume in section 7.)	☑	☐		7. SB-9(11-36)=1210, SB-9(36-60)=1220
Correct Containers Used?	☑	☐	☐	8.
= Pace Containers Used?	☑	☐		
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? (If NO, fill out section 11.) Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. Collection date on containers of samples ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12. 024-077 is 7/9/25

Sample #:
☐ HNO3 ______ ☐ H2SO4 ______ ☐ NaOH ______ ☐ Zinc Acetate ______

pH Paper Lot #:
☐ Residual Chlorine ______ ☐ 0-6 Roll ______ ☐ 0-6 Strip ______ ☐ 0-14 Strip ______

Positive for Residual Chlorine (NaOH containers only): ☐ YES ☐ NO

	YES	NO	N/A	COMMENT(S)
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide)	☐	☐	☑	☐ See Exceptions form ENV-FRM-MIN4-0142
EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenolics, DRO/8015, Dioxins, and PFAS	☐	☐	☑	
Extra labels present on soil VOA or WIDRO containers? (soil only)	☐	☐	☑	13.
Headspace in Methyl Mercury Container?	☐	☐	☑	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☑	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☑	☐	15.
Trip Blank Custody Seals Present?	☐	☐	☑	Pace Trip Blank Lot # (if purchased):

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: JMW **Line:** 4

Person Contacted & Date/Time: ______ **PM Review & Date:** Andrea Richardson 7/11/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.

ENV-FRM-MIN4-0142 v05_Sample Condition Upon Receipt - Exceptions

Workorder #: 10741954

Anything is OVER 6.0°C, MUST be documented in the sections below.

Tracking Number	Temperature (°C)
452162454147	2.8
452162454158	4.0
452162454169	4.7

Out of Temp Sample ID	Container Type	# of Containers

PM Notified of Out of Temp Cooler? ☐ YES ☐ NO | **Multiple Cooler Project?** ☐ YES ☐ NO

If **YES**, indicate who was contacted, date, and time: _____

If **NO**, indicate reason why: ☐ All Nitric ☐ Not on ice ☐ Sampled same day ☐ Other: _____

No Temp Blank

Temp Gun: _____ **Correction Factor:** _____

Read Temp	Corrected Temp	Average Temp

Other	

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative		pH Upon Receipt	Date / Time Adjusted	Amount Added (mL)	Lot # Added	ph After	In Compliance After?		Initials
	HNO_3	H_2SO_4						YES	NO	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	
	☐	☐						☐	☐	

COMMENT(S):

Internal Transfer Chain of Custody

G172

Pace

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: ND
Cert. Needed: ☒ Yes ☐ No

Workorder: 10741954 **Workorder Name:** P-0042407 Voigt Assessment

Owner Received Date: 7/10/2025 **Results Requested By:** 7/24/2025

Report To	Subcontract To
Yeng Ozawa Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

L1878092

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: JGFU2/2						Requested Analysis: 9050 Specific Conductance												LAB USE ONLY
1	SB-1(0-11")TS	PS	7/8/2025 13:35	10741954001	Solid	1						X												01
2	SB-1(11-36")SS	PS	7/8/2025 13:40	10741954002	Solid	1						X												02
3	SB-1(36-60")CP	PS	7/8/2025 13:45	10741954003	Solid	1						X												03
4	SB-2(0-11")TS	PS	7/7/2025 15:17	10741954004	Solid	1						X												04
5	SB-2(11-36")SS	PS	7/7/2025 15:24	10741954005	Solid	1						X												05
6	SB-2(36-60")CP	PS	7/7/2025 15:30	10741954006	Solid	1						X												06
7	SB-3(0-11")TS	PS	7/8/2025 14:00	10741954007	Solid	1						X												07
8	SB-3(11-36")SS	PS	7/8/2025 14:05	10741954008	Solid	1						X												08
9	SB-3(36-60")CP	PS	7/8/2025 14:10	10741954009	Solid	1						X												09
10	SB-4(0-11")TS	PS	7/8/2025 14:35	10741954010	Solid	1						X												10
11	SB-4(11-36")SS	PS	7/8/2025 14:40	10741954011	Solid	1						X												11
12	SB-4(36-60")CP	PS	7/8/2025 14:45	10741954012	Solid	1						X												12
13	SB-5(0-11")TS	PS	7/8/2025 15:10	10741954013	Solid	1						X												13
14	SB-5(11-36")SS	PS	7/8/2025 15:15	10741954014	Solid	1						X												14
15	SB-5(36-60")CP	PS	7/8/2025 15:20	10741954015	Solid	1						X												15
16	SB-6(0-11")TS	PS	7/8/2025 09:05	10741954016	Solid	1						X												16
17	SB-6(11-36")SS	PS	7/8/2025 09:14	10741954017	Solid	1						X												17
18	SB-6(36"-60)CP	PS	7/8/2025 09:20	10741954018	Solid	1						X												18
19	SB-7(0-11")TS	PS	7/8/2025 13:00	10741954019	Solid	1						X												19

Internal Transfer Chain of Custody

Pace®

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: ND
Cert. Needed: [X] Yes ☐ No

Workorder: 10741954 Workorder Name: P-0042407 Voigt Assessment
Owner Received Date: 7/10/2025 Results Requested By: 7/24/2025

Report To
Yeng Ozawa
Pace Analytical Minnesota
1700 Elm Street
Minneapolis, MN 55414
Phone (612)607-1700

Subcontract To
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

L1878092

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: JGFU2/2	Requested Analysis: 9050 Specific Conductance	LAB USE ONLY
20	SB-7(11-36")SS	PS	7/8/2025 13:05	10741954020	Solid	1	X	20
21	SB-7(36-60")CP	PS	7/8/2025 13:10	10741954021	Solid	1	X	21
22	SB-8(0-11")TS	PS	7/8/2025 10:23	10741954022	Solid	1	X	22
23	SB-8(11-36")SS	PS	7/8/2025 10:28	10741954023	Solid	1	X	23
24	SB-8(36-60")CP	PS	7/8/2025 10:35	10741954024	Solid	1	X	24
25	SB-9(0-11")TS	PS	7/8/2025 12:10	10741954025	Solid	1	X	25
26	SB-9(11-36")SS	PS	7/8/2025 12:15	10741954026	Solid	1	X	26
27	SB-9(36-60")CP	PS	7/8/2025 12:20	10741954027	Solid	1	X	27

Transfers	Released By	Date/Time	Received By	Date/Time
1	GMT [illegible] Pace	7/11/25 1700	am [illegible]	7/12/25 [illegible]
2				
3				

Comments

Cooler Temperature on Receipt _______ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist
COC Seal Present/Intact: ✓Y _N _NP If Applicable
COC Signed/Accurate: ✓Y _N VOA Zero Headspace: _Y _N
Bottles arrive intact: ✓Y _N Pres. Correct/Check: _Y _N
Correct bottles used: ✓Y _N
Sufficient volume sent: ✓Y _N Condition: __NCF ✓OK
RA Screen <0.5 mR/hr: ✓Y _N

Multiple Parcel Form L# L1678092

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4243 5581 0705	TLA1	2.6	+0.4	=3.0	~~Yes~~ / No / Not Present
4243 5581 0716	TLA1	2.3	+0.4	=2.7	~~Yes~~ / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

AM

Name

7/12/25

Date