

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

November 21, 2024

1301 Academy St.
Fort Collins, CO 80525
800-288-2657
lglazier@cgrs.com

Project Manager : Lauren Glazier
Project Name : POCO Operating Remediation
Project Number : 28141

Attached are the analytical results for POCO Operating Remediation 28141 received by Elevation Diagnostics, Division of Environmental Testing on November 06, 2024. This is associated with Elevation's number AA13945 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing











Chain of Custody Form

Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045
800.440.5184

Client: CGRS
Address: 1301 Academy Ct
City/State/ZIP: Fort Collins, CO 80525
Phone: 315-657-4720
Project Contact: Lauren Glazier

Project Name: POCO OPERATING REMEDIATION (#28141)
Project Location: Double J / 35-11 PAD
Collector Name: EVAN SKY

					Preservative				Matrix		Analysis Requested							Notes	
Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO ₃	None	Other	Water	Soil	Other	pH, EC, SAR	organic matter	nitrate nitrogen	phosphorus, potassium, zinc, iron, manganese, copper	lime	% calcium carbonate	hydrometer (texture)	
																			PH by soil mixed paste * see attachments
1	SP01 @ 6"	11/05/24	9:45	3			✓			✓		✓	✓	✓	✓	✓	✓	✓	 AA13946-1
2	SP01 @ 12"		↓	3			✓			✓									 AA13946-1
3	SP01 @ 18"		↓	3			✓			✓									 AA13947-1
4	SP02 @ 6"		10:45	3			✓			✓									 AA13948-1
5	SP02 @ 12"		↓	3			✓			✓									 AA13949-1
6	BG01 @ 6"		12:30	3			✓			✓									 AA13950-1
7	BG01 @ 12"		↓	3			✓			✓									 AA13951-1
8	BG01 @ 18"		↓	3			✓			✓									 AA13952-1
9	BG03 @ 6"		13:15	2 ³ ①			✓			✓		↓	↓	↓	↓	↓	↓	↓	 AA13953-1
10	BG03 @ 12"		↓	2 ³ ①															 AA13954-1

Relinquished By: EC Sky
Date/Time: 11/06/24 09:00

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Lab Use Only
Observed Temperature Upon Receipt: 14.4°C
Corrected Temperature Upon Receipt: 15.7°C
Thermometer #: EDTE0238
Correction Factor: +1.3°C

Samples Intact: Yes No
pH Checked: Yes No
pH Adjusted: Yes No
Name/Lot Number of Adjustment: 2024-11-07-006-1

Scan to Deliver Samples



EFOR-008.002

① 3 bags
SA 11/1/24

1 of 3

Chain of Custody Form


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Address: 1301 Academy Ct
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Phone: 315-657-4720
Project Contact: Lauren Glazier

Project Name: POCO OPERATING REMEDIATION (#28141)
Project Location: Double J 35-11 PAD
Collector Name: EVAN SKY

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested										Notes
					HCl	HNO ₃	None	Other	Water	Soil	Other	See Attached										
1	B603 @ 18"	11/05/24		2			✓			✓		✓										AA13956-1
2	B604 @ 6"		13:45	2			✓			✓		✓										AA13957-1
3	B604 @ 12"		↓	2			✓			✓		✓										AA13958-1
4	B604 @ 18"		↓	2			✓			✓		✓										AA13959-1
5	B605 @ 6"		14:15	2			✓			✓		✓										AA13960-1
6	B605 @ 12"		↓	2			✓			✓		✓										AA13961-1
7	B605 @ 18"		↓	2			✓			✓		✓										AA13962-1
8	B606 @ 6"		14:45	2			✓			✓		✓										AA13963-1
9	B606 @ 12"		↓	2			✓			✓		✓										AA13964-1
10	B606 @ 18"		↓	2			✓			✓		✓										AA13965-1

Relinquished By: <u>EVAN SKY</u>	Relinquished By: _____	Relinquished By: _____	Scan to Deliver Samples 
Date/Time: <u>11/06/24 09:00</u>	Date/Time: _____	Date/Time: _____	
Lab Use Only Observed Temperature Upon Receipt: <u>14.4°C</u> Corrected Temperature Upon Receipt: <u>15.7°C</u> Thermometer #: <u>EDXE0238</u> Correction Factor: <u>-1.3°C</u>	Samples Intact: <u>Yes</u> pH Checked: <u>Yes</u> pH Adjusted: <u>Yes</u> Name/Lot Number of Adjustment: _____	2024-11-07-006-2 <u>Yes</u> <u>No</u> <u>Yes</u> <u>No</u>	

① 3 pages
SA 11/7/24

EFOR-008.002

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Chain of Custody Form

Elevation Diagnostics

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Client: CGRS
Address: 1301 Academy Ct
City/State/ZIP: Fort Collins, CO 80525
Phone: 315-657-4720
Project Contact: Lauren Glazier

Project Name: POCO operating Remediation (#28141)
Project Location: Double J 35 -11 PAD
Collector Name: EVAN SKY

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested										Notes
					HCl	HNO ₃	None	Other	Water	Soil	Other											
1	B602 @ 6"	11/05/24	15:15	2			✓			✓		See attached										  
2	B602 @ 12"	↓	↓	2			✓			✓		✓										
3	B602 @ 18"	↓	↓	2			✓			✓		✓										
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished By: EVAN

Date/Time: 11/06/24 09:00

Relinquished By:

Date/Time:

Relinquished By:

Date/Time:

Lab
Use
Only

Observed Temperature Upon Receipt: 14.4°C
Corrected Temperature Upon Receipt: 15.7°C
Thermometer #: EDXEQ238
Correction Factor: +1.3°C

Samples Intact:

pH Checked:

pH Adjusted:

Name/Lot Number of Adjustment: _____

Yes

Yes

Yes

No

No

No

2024-11-07-006-3

Scan to
Deliver
Samples



EFOR-008.002

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- *pH (Saturated Past)*
- *electrical conductivity*
- *organic matter (Walkely-Black method)*
- *nitrate nitrogen (AD-DTPA)*
- *phosphorus (AD-DTPA)*
- *potassium (AD-DTPA)*
- *zinc (AD-DTPA)*
- *iron (AD-DTPA)*
- *manganese (AD-DTPA)*
- *copper (AD-DTPA)*
- *lime*
- *percent calcium carbonate equivalency (gravimetric)*
- *SAR*
- *texture estimates (hydrometer with textures reported as USDA).*

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 11/21/2024**Report Time :** 18:11**FINAL RESULTS REPORT****Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA13945-1	SP01@6'	Collected : 11/05/2024 09:45					
SAR - Calcium		11/11/2024	11:36 10.00	88.86	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024	11:36 10.00	1.01	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024	11:36 10.00	<0.50 - RL1	mEq/L	10.00	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024	11:36 10.00	0.21	No Unit		EPA 6020B
Soil Conductivity		11/08/2024	16:36	0.68	mmhos/cm	0.0005	USDA 60
AA13945-2	SP01@6'	Collected : 11/05/2024 09:45					
Calcium Carbonate		11/19/2024	14:47	8.21	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:11	0.91	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024	15:26	19.7	°C		
pH, Soils		11/11/2024	15:26	8.13	SU	0.01	EPA 9045D
Soil Texture		11/08/2024	15:25	Clay Loam			Hydrometer
AA13945-3	SP01@6'	Collected : 11/05/2024 09:45					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<50.00 - RL1	ppm	50.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	16.75	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	<0.50	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 10.00	798.91	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected	ppm	5.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	16:43	13.48	mg/kg	0.30	HACH 10206
AA13946-1	SP01@12'	Collected : 11/05/2024 09:45					
SAR - Calcium		11/11/2024	11:36 10.00	3.68	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024	11:36 10.00	0.88	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024	11:36 10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024	11:36 10.00	0.19	No Unit		EPA 6020B
Soil Conductivity		11/08/2024	16:36	0.45	mmhos/cm	0.0005	USDA 60
AA13946-2	SP01@12'	Collected : 11/05/2024 09:45					
Calcium Carbonate		11/19/2024	14:47	8.10	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:11	0.70	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024	15:26	19.5	°C		
pH, Soils		11/11/2024	15:26	8.16	SU	0.01	EPA 9045D
Soil Texture		11/08/2024	15:25	Clay Loam			Hydrometer
AA13946-3	SP01@12'	Collected : 11/05/2024 09:45					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<50.00 - RL1	ppm	50.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	16.52	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	Not Detected	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 10.00	643.72	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	16:43	5.36	mg/kg	0.30	HACH 10206

AA13947-1 SP01@18'**Collected :** 11/05/2024 09:45

Report #3008

Not previously reported

The results listed pertain only to the samples submitted to Elevation Diagnostics, Division of Environmental Testing as per the Chain of Custody attached. This report may only be duplicated in full.

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FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
SAR - Calcium		11/11/2024 11:36	10.00	4.10	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	1.00	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.22	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.66	mmhos/cm	0.0005	USDA 60
AA13947-2	SP01@18'	Collected : 11/05/2024 09:45					
Calcium Carbonate		11/19/2024 14:47		9.18	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.83	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		19.6	°C		
pH, Soils		11/11/2024 15:26		7.07	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Silty Loam			Hydrometer
AA13947-3	SP01@18'	Collected : 11/05/2024 09:45					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	33.24	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	7.20	ppm	0.500	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	<0.50	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	960.18	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.00	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		10.75	mg/kg	0.30	HACH 10206
AA13948-1	SP02@6'	Collected : 11/05/2024 10:45					
SAR - Calcium		11/11/2024 11:36	10.00	2.27	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	1.08	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.88	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.55	mmhos/cm	0.0005	USDA 60
AA13948-2	SP02@6'	Collected : 11/05/2024 10:45					
Calcium Carbonate		11/19/2024 14:47		7.99	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.70	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		9.3	°C		
pH, Soils		11/11/2024 15:26		8.28	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Silty Loam			Hydrometer
AA13948-3	SP02@6'	Collected : 11/05/2024 10:45					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<50.00 - RL1	ppm	50.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	30.57	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	654.08	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		4.83	mg/kg	0.30	HACH 10206
AA13949-1	SP02@12'	Collected : 11/05/2024 10:45					
SAR - Calcium		11/11/2024 11:36	10.00	3.77	mEq/L		EPA 6020B

**Division of Environmental Testing**

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FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	1.37	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.92	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.82	mmhos/cm	0.0005	USDA 60
AA13949-2	SP02@12'	Collected : 11/05/2024 10:45					
Calcium Carbonate		11/19/2024 14:47		7.77	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.68	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		9.6	°C		
pH, Soils		11/11/2024 15:26		8.15	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Clay Loam			Hydrometer
AA13949-3	SP02@12'	Collected : 11/05/2024 10:45					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	26.87	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	Not Detected	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	611.74	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		5.38	mg/kg	0.30	HACH 10206
AA13950-1	BG01@6'	Collected : 11/05/2024 12:30					
SAR - Calcium		11/11/2024 11:36	10.00	3.54	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	1.51	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.18	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.90	mmhos/cm	0.0005	USDA 60
AA13950-2	BG01@6'	Collected : 11/05/2024 12:30					
Calcium Carbonate		11/19/2024 14:47		1.24	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.57	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		10	°C		
pH, Soils		11/11/2024 15:26		7.22	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Medium Loam			Hydrometer
AA13950-3	BG01@6'	Collected : 11/05/2024 12:30					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	17.66	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	7.75	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	933.19	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		15.99	mg/kg	0.30	HACH 10206
AA13951-1	BG01@12'	Collected : 11/05/2024 12:30					
SAR - Calcium		11/11/2024 11:36	10.00	1.04	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B

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FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
SAR - Sodium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.11	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.42	mmhos/cm	0.0005	USDA 60
AA13951-2	BG01@12'	Collected : 11/05/2024 12:30					
Calcium Carbonate		11/19/2024 14:47		0.92	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.44	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		10.7	°C		
pH, Soils		11/11/2024 15:26		7.46	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Clay Loam			Hydrometer
AA13951-3	BG01@12'	Collected : 11/05/2024 12:30					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	17.85	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	890.14	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		6.45	mg/kg	0.30	HACH 10206
AA13952-1	BG01@18'	Collected : 11/05/2024 12:30					
SAR - Calcium		11/11/2024 11:36	10.00	0.80	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.15	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.35	mmhos/cm	0.0005	USDA 60
AA13952-2	BG01@18'	Collected : 11/05/2024 12:30					
Calcium Carbonate		11/19/2024 14:49		2.67	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.44	%OC	0.26	Walkley Black
pH, Soils Temperature		11/11/2024 15:26		11.2	°C		
pH, Soils		11/11/2024 15:26		8.18	SU	0.01	EPA 9045D
Soil Texture		11/08/2024 15:25		Medium Loam			Hydrometer
AA13952-3	BG01@18'	Collected : 11/05/2024 12:30					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	8.80	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	1003.86	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	5.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		<0.30	mg/kg	0.30	HACH 10206
AA13953-1	BG03@6'	Collected : 11/05/2024 13:15					
SAR - Calcium		11/11/2024 11:36	10.00	2.27	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	0.96	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	0.63	mEq/L		EPA 6020B

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 11/21/2024**Report Time :** 18:11**FINAL RESULTS REPORT****Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.49	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		0.51	mmhos/cm	0.0005	USDA 60
AA13953-2	BG03@6'	Collected : 11/05/2024 13:15					
Calcium Carbonate		11/19/2024 14:49		0.83	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.64	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024 16:00		20.4	°C		
pH, Soils		11/07/2024 16:00		7.01	SU	0.01	EPA 9045D
Soil Texture		11/18/2024 16:21		Loam			Hydrometer
AA13953-3	BG03@6'	Collected : 11/05/2024 13:15					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	11.85	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	5.74	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	959.55	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		3.77	mg/kg	0.30	HACH 10206
AA13954-1	BG03@12'	Collected : 11/05/2024 13:15					
SAR - Calcium		11/11/2024 11:36	10.00	5.65	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	2.87	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	3.35	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	1.62	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 16:36		1.22	mmhos/cm	0.0005	USDA 60
AA13954-2	BG03@12'	Collected : 11/05/2024 13:15					
Calcium Carbonate		11/19/2024 14:49		1.12	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:11		0.59	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024 16:00		20.1	°C		
pH, Soils		11/07/2024 16:00		7.65	SU	0.01	EPA 9045D
Soil Texture		11/18/2024 16:21		SiltyClayLoam			Hydrometer
AA13954-3	BG03@12'	Collected : 11/05/2024 13:15					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	7.15	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	525.29	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		<0.30	mg/kg	0.30	HACH 10206
AA13955-1	BG03@18'	Collected : 11/05/2024 13:15					
SAR - Calcium		11/11/2024 11:36	10.00	6.99	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	3.46	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	4.46	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	1.95	No Unit		EPA 6020B



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
Soil Conductivity		11/08/2024	17:20	1.56	mmhos/cm	0.0005	USDA 60
AA13955-2	BG03@18'	Collected : 11/05/2024 13:15					
Calcium Carbonate		11/19/2024	14:11	9.78	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:16	0.85	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024	16:00	20.2	°C		
pH, Soils		11/07/2024	16:00	7.89	SU	0.01	EPA 9045D
Soil Texture		11/18/2024	16:21	Clay Loam			Hydrometer
AA13955-3	BG03@18'	Collected : 11/05/2024 13:15					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<50.00 - RL1	ppm	50.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	15.59	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	Not Detected	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 10.00	354.32	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	16:43	3.76	mg/kg	0.30	HACH 10206
AA13956-1	BG04@6'	Collected : 11/05/2024 13:45					
Calcium Carbonate		11/19/2024	14:11	8.94	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:16	0.47	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024	16:00	20.2	°C		
pH, Soils		11/07/2024	16:00	7.81	SU	0.01	EPA 9045D
SAR - Calcium		11/11/2024	11:36 10.00	34.59	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024	11:36 10.00	16.48	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024	11:36 10.00	12.71	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024	11:36 10.00	2.52	No Unit		EPA 6020B
Soil Conductivity		11/08/2024	17:20	5.37	mmhos/cm	0.0005	USDA 60
Soil Texture		11/18/2024	16:21	Clay Loam			Hydrometer
AA13956-2	BG04@6'	Collected : 11/05/2024 13:45					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	10.77	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 10.00	478.79	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	16:43	3.22	mg/kg	0.30	HACH 10206
AA13957-1	BG04@12'	Collected : 11/05/2024 13:45					
Calcium Carbonate		11/19/2024	14:11	10.08	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:16	0.61	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024	16:00	20.2	°C		
pH, Soils		11/07/2024	16:00	7.83	SU	0.01	EPA 9045D
SAR - Calcium		11/11/2024	11:36 10.00	74.07	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024	11:36 10.00	57.62	mEq/L		EPA 6020B

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
SAR - Sodium		11/11/2024 11:36	10.00	43.84	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	5.40	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 17:20		10.41	mmhos/cm	0.0005	USDA 60
Soil Texture		11/18/2024 16:21		Clay Loam			Hydrometer
AA13957-2	BG04@12'	Collected : 11/05/2024 13:45					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	10.41	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	Not Detected	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	375.35	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		3.22	mg/kg	0.30	HACH 10206
AA13958-1	BG04@18'	Collected : 11/05/2024 13:45					
Calcium Carbonate		11/19/2024 14:11		10.17	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:16		0.49	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024 16:00		20.1	°C		
pH, Soils		11/07/2024 16:00		7.88	SU	0.01	EPA 9045D
SAR - Calcium		11/11/2024 11:36	10.00	70.93	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	67.57	mEq/L		EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	45.99	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	5.53	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 17:20		10.75	mmhos/cm	0.0005	USDA 60
Soil Texture		11/18/2024 16:21		Clay Loam			Hydrometer
AA13958-2	BG04@18'	Collected : 11/05/2024 13:45					
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	17.80	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	380.07	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 16:43		<0.30	mg/kg	0.30	HACH 10206
AA13959-1	BG05@6'	Collected : 11/05/2024 14:15					
Calcium Carbonate		11/19/2024 14:11		0.74	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:16		0.66	%OC	0.26	Walkley Black
pH, Soils Temperature		11/07/2024 16:00		20.0	°C		
pH, Soils		11/07/2024 16:00		7.92	SU	0.01	EPA 9045D
SAR - Calcium		11/11/2024 11:36	10.00	1.90	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	0.50	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.45	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 17:20		0.62	mmhos/cm	0.0005	USDA 60



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
Soil Texture		11/18/2024	16:21	SandyClayLoam			Hydrometer
AA13959-2	BG05@6'	Collected :	11/05/2024 14:15				
AB-DTPA Metals - Copper		11/20/2024	13:03	10.00	<5.00	ppm	5.000 AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03	10.00	14.44	ppm	0.500 AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03	10.00	<5.00 - RL1	ppm	5.000 AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03	10.00	67.36	ppm	0.500 AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03	100.00	2163.64	ppm	0.500 AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03	10.00	Not Detected - RL1	ppm	50.000 AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	17:01		<0.30	mg/kg	0.30 HACH 10206
AA13960-1	BG05@12'	Collected :	11/05/2024 14:15				
Calcium Carbonate		11/19/2024	14:11		0.71	%	0.5 Gravimetric
Organic Matter		11/18/2024	16:16		0.52	%OC	0.26 Walkley Black
pH, Soils Temperature		11/07/2024	16:00		20.0	°C	
pH, Soils		11/07/2024	16:00		7.84	SU	0.01 EPA 9045D
SAR - Calcium		11/11/2024	11:36	10.00	2.24	mEq/L	EPA 6020B
SAR - Magnesium		11/11/2024	11:36	10.00	<0.50 - RL1	mEq/L	10 EPA 6020B
SAR - Sodium		11/11/2024	11:36	10.00	0.87	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024	11:36	10.00	0.71	No Unit	EPA 6020B
Soil Conductivity		11/08/2024	17:20		0.78	mmhos/cm	0.0005 USDA 60
Soil Texture		11/18/2024	16:21	Sandy Loam			Hydrometer
AA13960-2	BG05@12'	Collected :	11/05/2024 14:15				
AB-DTPA Metals - Copper		11/20/2024	13:03	10.00	<5.00	ppm	5.000 AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03	10.00	14.64	ppm	0.500 AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03	10.00	<5.00 - RL1	ppm	5.000 AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03	10.00	53.08	ppm	0.500 AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03	10.00	1486.73	ppm	0.500 AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03	10.00	Not Detected - RL1	ppm	50.000 AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	17:01		5.16	mg/kg	0.30 HACH 10206
AA13961-1	BG05@18'	Collected :	11/05/2024 14:15				
Calcium Carbonate		11/19/2024	14:11		0.59	%	0.5 Gravimetric
Organic Matter		11/18/2024	16:16		0.62	%OC	0.26 Walkley Black
pH, Soils Temperature		11/07/2024	16:00		20.0	°C	
pH, Soils		11/07/2024	16:00		7.57	SU	0.01 EPA 9045D
SAR - Calcium		11/11/2024	11:36	10.00	12.10	mEq/L	EPA 6020B
SAR - Magnesium		11/11/2024	11:36	10.00	5.07	mEq/L	EPA 6020B
SAR - Sodium		11/11/2024	11:36	10.00	16.08	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024	11:36	10.00	5.49	No Unit	EPA 6020B
Soil Conductivity		11/08/2024	17:20		3.85	mmhos/cm	0.0005 USDA 60
Soil Texture		11/18/2024	16:21	SandyClayLoam			Hydrometer
AA13961-2	BG05@18'	Collected :	11/05/2024 14:15				
AB-DTPA Metals - Copper		11/20/2024	13:03	10.00	<5.00	ppm	5.000 AB-DTPA

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	22.51	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	23.78	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	983.98	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 17:01		<0.30	mg/kg	0.30	HACH 10206

AA13962-1 BG06@6'**Collected :** 11/05/2024 14:45

Calcium Carbonate	11/19/2024 14:11		0.84	%	0.5	Gravimetric
Organic Matter	11/18/2024 16:16		0.62	%OC	0.26	Walkley Black
pH, Soils Temperature	11/07/2024 16:00		19.8	°C		
pH, Soils	11/07/2024 16:00		7.32	SU	0.01	EPA 9045D
SAR - Calcium	11/11/2024 11:36	10.00	2.17	mEq/L		EPA 6020B
SAR - Magnesium	11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium	11/11/2024 11:36	10.00	0.66	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio	11/11/2024 11:36	10.00	0.56	No Unit		EPA 6020B
Soil Conductivity	11/08/2024 17:20		0.81	mmhos/cm	0.0005	USDA 60
Soil Texture	11/18/2024 16:21		Sandy Loam			Hydrometer

AA13962-2 BG06@6'**Collected :** 11/05/2024 14:45

AB-DTPA Metals - Copper	11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron	11/20/2024 13:03	10.00	17.07	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese	11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous	11/20/2024 13:03	10.00	45.59	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium	11/20/2024 13:03	10.00	1264.00	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc	11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil	11/21/2024 17:01		9.20	mg/kg	0.30	HACH 10206

AA13963-1 BG06@12'**Collected :** 11/05/2024 14:45

Calcium Carbonate	11/19/2024 14:11		0.96	%	0.5	Gravimetric
Organic Matter	11/18/2024 16:16		0.55	%OC	0.26	Walkley Black
pH, Soils Temperature	11/18/2024 16:56		23.1	°C		
pH, Soils	11/18/2024 16:56		7.33	SU	0.01	EPA 9045D
SAR - Calcium	11/11/2024 11:36	10.00	1.88	mEq/L		EPA 6020B
SAR - Magnesium	11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium	11/11/2024 11:36	10.00	0.50	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio	11/11/2024 11:36	10.00	0.45	No Unit		EPA 6020B
Soil Conductivity	11/08/2024 17:20		0.63	mmhos/cm	0.0005	USDA 60
Soil Texture	11/20/2024 16:01		SandyClayLoam			Hydrometer

AA13963-2 BG06@12'**Collected :** 11/05/2024 14:45

AB-DTPA Metals - Copper	11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron	11/20/2024 13:03	10.00	27.47	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese	11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous	11/20/2024 13:03	10.00	70.03	ppm	0.500	AB-DTPA

Report #3008

Not previously reported

The results listed pertain only to the samples submitted to Elevation Diagnostics, Division of Environmental Testing as per the Chain of Custody attached. This report may only be duplicated in full.

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	1317.20	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 17:01		4.01	mg/kg	0.30	HACH 10206

AA13964-1	BG06@18'	Collected :	11/05/2024 14:45				
Calcium Carbonate		11/19/2024 14:11		0.73	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:16		0.56	%OC	0.26	Walkley Black
pH, Soils Temperature		11/18/2024 16:56		22.9	°C		
pH, Soils		11/18/2024 16:56		7.31	SU	0.01	EPA 9045D
SAR - Calcium		11/11/2024 11:36	10.00	1.67	mEq/L		EPA 6020B
SAR - Magnesium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium		11/11/2024 11:36	10.00	<0.50 - RL1	mEq/L	10	EPA 6020B
SAR - Sodium Adsorption Ratio		11/11/2024 11:36	10.00	0.32	No Unit		EPA 6020B
Soil Conductivity		11/08/2024 17:20		0.55	mmhos/cm	0.0005	USDA 60
Soil Texture		11/20/2024 16:01		Clay Loam			Hydrometer

AA13964-2	BG06@18'	Collected :	11/05/2024 14:45				
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	14.67	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	32.81	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	1207.54	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 17:01		<0.30	mg/kg	0.30	HACH 10206

AA13965-1	BG02@6'	Collected :	11/05/2024 15:15				
Calcium Carbonate		11/19/2024 14:09		2.11	%	0.5	Gravimetric
Organic Matter		11/18/2024 16:19		0.89	%OC	0.26	Walkley Black
pH, Soils Temperature		11/18/2024 16:56		23	°C		
pH, Soils		11/18/2024 16:56		8.02	SU	0.01	EPA 9045D
SAR - Calcium		11/12/2024 21:24	10.00	7.01	mEq/L	0.05	EPA 6020B
SAR - Magnesium		11/12/2024 21:24	10.00	3.67	mEq/L	0.05	EPA 6020B
SAR - Sodium		11/12/2024 21:24	10.00	2.40	mEq/L	0.05	EPA 6020B
SAR - Sodium Adsorption Ratio		11/12/2024 21:24	10.00	1.04	No Unit		EPA 6020B
Soil Conductivity		11/11/2024 17:47		1.44	mmhos/cm	0.0005	USDA 60
Soil Texture		11/20/2024 16:01		Loam			Hydrometer

AA13965-2	BG02@6'	Collected :	11/05/2024 15:15				
AB-DTPA Metals - Copper		11/20/2024 13:03	10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024 13:03	10.00	19.14	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024 13:03	10.00	6.01	ppm	0.500	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024 13:03	10.00	20.83	ppm	0.500	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024 13:03	10.00	1561.57	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024 13:03	10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024 17:01		6.30	mg/kg	0.30	HACH 10206

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery

AA13966-1	BG02@12'	Collected : 11/05/2024 15:15					
Calcium Carbonate		11/19/2024	14:09	0.96	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:19	0.50	%OC	0.26	Walkley Black
pH, Soils Temperature		11/18/2024	16:56	22.6	°C		
pH, Soils		11/18/2024	16:56	7.59	SU	0.01	EPA 9045D
SAR - Calcium		11/12/2024	21:24 10.00	14.55	mEq/L	0.05	EPA 6020B
SAR - Magnesium		11/12/2024	21:24 10.00	18.71	mEq/L	0.05	EPA 6020B
SAR - Sodium		11/12/2024	21:24 10.00	15.92	mEq/L	0.05	EPA 6020B
SAR - Sodium Adsorption Ratio		11/12/2024	21:24 10.00	3.90	No Unit		EPA 6020B
Soil Conductivity		11/11/2024	17:47	4.25	mmhos/cm	0.0005	USDA 60
Soil Texture		11/20/2024	16:01	Loam			Hydrometer

AA13966-2	BG02@12'	Collected : 11/05/2024 15:15					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	15.32	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 100.00	1611.47	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	17:01	<0.30	mg/kg	0.30	HACH 10206

AA13967-1	BG02@18'	Collected : 11/05/2024 15:15					
Calcium Carbonate		11/19/2024	14:09	7.24	%	0.5	Gravimetric
Organic Matter		11/18/2024	16:19	0.63	%OC	0.26	Walkley Black
pH, Soils Temperature		11/18/2024	16:56	22.7	°C		
pH, Soils		11/18/2024	16:56	7.85	SU	0.01	EPA 9045D
SAR - Calcium		11/12/2024	21:24 10.00	107.79	mEq/L	0.05	EPA 6020B
SAR - Magnesium		11/12/2024	21:24 10.00	79.01	mEq/L	0.05	EPA 6020B
SAR - Sodium		11/12/2024	21:24 10.00	44.95	mEq/L	0.05	EPA 6020B
SAR - Sodium Adsorption Ratio		11/12/2024	21:24 10.00	4.65	No Unit		EPA 6020B
Soil Conductivity		11/11/2024	17:26	13.70	mmhos/cm	0.0005	USDA 60
Soil Texture		11/20/2024	16:01	Sand			Hydrometer

AA13967-2	BG02@18'	Collected : 11/05/2024 15:15					
AB-DTPA Metals - Copper		11/20/2024	13:03 10.00	<5.00	ppm	5.000	AB-DTPA
AB-DTPA Metals - Iron		11/20/2024	13:03 10.00	23.27	ppm	0.500	AB-DTPA
AB-DTPA Metals - Manganese		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Phosphorous		11/20/2024	13:03 10.00	<5.00 - RL1	ppm	5.000	AB-DTPA
AB-DTPA Metals - Potassium		11/20/2024	13:03 10.00	1121.08	ppm	0.500	AB-DTPA
AB-DTPA Metals - Zinc		11/20/2024	13:03 10.00	Not Detected - RL1	ppm	50.000	AB-DTPA
Nitrate-Nitrogen, Soil		11/21/2024	17:01	<0.30	mg/kg	0.30	HACH 10206



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
CALCIUM_CARBONATE-5836										
DUP	AA13954	3.03	0.5	%					2.6756	
Matrix Spike	AA13954	2.95	0.5	%	2.00		91.5			
CALCIUM_CARBONATE-5838										
DUP	AA13959	3.16	0.5	%					2.5641	
Matrix Spike	AA13959	3.08	0.5	%	2.00		117			
CALCIUM_CARBONATE-5843										
DUP	AA13965	3.72	0.5	%					0.80321	
Matrix Spike	AA13965	3.75	0.5	%	2.00		82.0			
ECISOIL_MMHOS-5675										
DUP	AA13955	1.48		mmhos/cm					5.2632	
LCS	AA14049	9.4		mmhos/cm	10.00		94.0			
LCS	AA14050	9.47		mmhos/cm	10.00		94.7			
ECISOIL_MMHOS-5676										
DUP	AA13945	0.68		mmhos/cm					<%MDL%	
LCS	AA14052	9.43		mmhos/cm	10.00		94.3			
LCS	AA14053	9.49		mmhos/cm	10.00		94.9			
ECISOIL_MMHOS-5695										
DUP	AA14024	2.65		mmhos/cm					0.37665	
LCS	AA14083	9.34		mmhos/cm	10.00		93.4			
LCS	AA14084	9.35		mmhos/cm	10.00		93.5			
ECISOIL_MMHOS-5702										
DUP	AA13967	13.92		mmhos/cm					1.5930	
LCS	AA14100	9.37		mmhos/cm	10.00		93.7			
LCS	AA14101	9.4		mmhos/cm	10.00		94.0			
NITRATE_NITROGEN-5912										
DUP	AA13945	11.84	0.30	mg/kg					12.954	-15 - 15
MB	AA14827	-0.25		mg/kg						
LCS	AA14828	1.77	0.30	mg/kg	1.50		118	80 - 120		
LCS	AA14829	11.00	0.30	mg/kg	12.00		91.7	80 - 120		
NITRATE_NITROGEN-5913										
DUP	AA13959	<0.30	0.30	mg/kg						
MB	AA14830	-0.01		mg/kg						
LCS	AA14831	1.77	0.30	mg/kg	1.50		118	80 - 120		
LCS	AA14832	13.05	0.30	mg/kg	12.00		109	80 - 120		
ORGANIC_MATTER-5813										
DUP	AA13945	5.152							4.5524	
Matrix Spike	AA13945	5.392		mg						
MB	AA14567	-0.26		%						
ORGANIC_MATTER-5815										
DUP	AA13955	5.71							3.5651	
Matrix Spike	AA13955	5.51		mg						
MB	AA14572	-0.38		%						
ORGANIC_MATTER-5830										
DUP	AA13965	5.87							1.8917	
Matrix Spike	AA13965	5.76		mg						
MB	AA14645	-0.31		%						



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
PH_S-5631										
DUP	AA13894	7.64	0.01	S.U.					0.7822685788	-5 - 5
LCS	AA13925	6.80	0.01	S.U.	6.86		99.1	95 - 105		
LCS	AA13926	6.90	0.01	S.U.	6.86		101	95 - 105		
PH_S-5646										
DUP	AA13953	7.00	0.01	S.U.					0.1427551748	-5 - 5
LCS	AA13971	6.77	0.01	S.U.	6.86		98.7	95 - 105		
LCS	AA13972	6.78	0.01	S.U.	6.86		98.8	95 - 105		
PH_S-5650										
DUP	AA13963	7.33	0.01	S.U.					<%MDL%	-5 - 5
LCS	AA13982	6.85	0.01	S.U.	6.86		99.9	95 - 105		
LCS	AA13983	6.80	0.01	S.U.	6.86		99.1	95 - 105		
SOIL_TEXTURE-5670										
DUP	AA13945	Clay Loam								
SOIL_TEXTURE-5808										
DUP	AA13953	Loam								
SOIL_TEXTURE-5858										
DUP	AA13963	SandyClayLoam								



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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METALS ABDTPA-5828

AA13945

Dup	Copper	<5.00	5.000	ppm		<50.00				
Dup	Iron	14.86	0.500	ppm		16.75			12.0	
Dup	Manganese	<5.00	5.000	ppm		<5.00				
Dup	Phosphorous	Not Detected	0.500	ppm		<0.50				
Dup	Potassium	730.95	0.500	ppm		798.91			8.88	
Dup	Zinc	Not Detected	50.000	ppm		Not Detected				

AA13962

Dup	Copper	<5.00	5.000	ppm		<5.00				
Dup	Iron	18.44	0.500	ppm		17.07			7.72	
Dup	Manganese	<5.00	5.000	ppm		<5.00				
Dup	Phosphorous	48.86	0.500	ppm		45.59			6.92	
Dup	Potassium	1349.19	0.500	ppm		1264.00			6.52	
Dup	Zinc	Not Detected	50.000	ppm		Not Detected				

AA13966

Dup	Copper	<5.00	5.000	ppm		<5.00				
Dup	Iron	15.40	0.500	ppm		15.32			0.521	
Dup	Manganese	<5.00	5.000	ppm		<5.00				
Dup	Phosphorous	<5.00	5.000	ppm		<5.00				
Dup	Potassium	1458.33	0.500	ppm		1611.47			9.98	
Dup	Zinc	Not Detected	50.000	ppm		Not Detected				

AA14631

MB	Copper	0.01		ppm						
MB	Iron	0.11		ppm						
MB	Manganese	0.00		ppm						
MB	Phosphorous	-0.16		ppm						
MB	Potassium	-0.02		ppm						
MB	Zinc	-6.84		ppm						

AA14633

LCS	Copper	52.87		ppm			88.1			
LCS	Iron	64.44		ppm			107			
LCS	Manganese	61.52		ppm			103			
LCS	Phosphorous	71.01		ppm			118			
LCS	Potassium	60.59		ppm			101			
LCS	Zinc	68.86		ppm			115			

AA14634

LCS	Copper	55.69		ppm			92.8			
LCS	Iron	67.84		ppm			113			
LCS	Manganese	69.22		ppm			115			
LCS	Phosphorous	67.09		ppm			112			
LCS	Potassium	63.79		ppm			106			
LCS	Zinc	69.44		ppm			116			

SAR-5689

AA13955

Dup	Calcium	7.31		mEq/L	7.31	6.99			4.48	
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Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 11/21/2024

Report Time : 18:11

Project Manager: Lauren Glazier

Project Name: POCO Operating Remediation

Project Number: 28141

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Magnesium	3.59		mEq/L	3.59	3.46			3.69	
Dup	Sodium	4.76		mEq/L	4.76	4.46			6.51	
Dup	Sodium Adsorption Ratio	2.04		mEq/L	2.04	1.95			4.51	

AA14073

MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.01		mEq/L						
MB	Sodium Adsorption Ratio	0.04								

AA14074

LCS	Calcium	9.13		ppm			91.3			
LCS	Magnesium	10.05		ppm			100			
LCS	Sodium	9.55		ppm			95.5			
LCS	Sodium Adsorption Ratio	0.52		ppm			100			

AA14075

LCS	Calcium	452.75		ppm			90.6			
LCS	Magnesium	457.81		ppm			91.6			
LCS	Sodium	462.30		ppm			92.5			
LCS	Sodium Adsorption Ratio	3.66		ppm			98.9			

SAR-5725

AA13967

Dup	Calcium	115.50		mEq/L	115.50	107.79			6.91	
Dup	Magnesium	84.54		mEq/L	84.54	79.01			6.76	
Dup	Sodium	46.36		mEq/L	46.36	44.95			3.09	
Dup	Sodium Adsorption Ratio	4.64		mEq/L	4.64	4.65			0.215	

AA14024

Dup	Calcium	12.66		mEq/L	12.66	12.62			0.316	
Dup	Magnesium	14.59		mEq/L	14.59	14.53			0.412	
Dup	Sodium	12.55		mEq/L	12.55	12.52			0.239	
Dup	Sodium Adsorption Ratio	3.40		mEq/L	3.40	3.40			<%MDL%	

AA14183

MB	Calcium	0		mEq/L						
MB	Magnesium	0		mEq/L						
MB	Sodium	0.01		mEq/L						
MB	Sodium Adsorption Ratio	Not Detected								

AA14184

LCS	Calcium	9.69		ppm			96.9			
LCS	Magnesium	9.81		ppm			98.1			
LCS	Sodium	9.68		ppm			96.8			
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3			

AA14185

LCS	Calcium	534.72		ppm			107			
LCS	Magnesium	580.53		ppm			116			
LCS	Sodium	593.46		ppm			119			
LCS	Sodium Adsorption Ratio	4.23		ppm			112			

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 11/21/2024**Report Time :** 18:11**Project Manager:** Lauren Glazier**Project Name:** POCO Operating Remediation**Project Number:** 28141

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery

QualifierExplanation

H1	Sample received outside of regulatory holding time.
H2	Sample analyzed outside of regulatory holding time due to a laboratory error.
P1	Sample received outside temperature requirements, 0-6°C.
P2	Sample received unpreserved.
P3	Broken or leaking sample container.
P4	Sample improperly collected
P5	Sample incorrectly preserved
B1	Blank failed high, indicating possible high bias in sample results.
B2	Blank failed low, indicating possible low bias in sample results.
MS	Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
D1	Duplicate RPD limit exceeded due to low sample concentration.
D2	Duplicate RPD limit exceeded due to matrix interference.
S	Surrogate recovery failed, indicating potential matrix interference.
RL1	Reporting limits raised due to matrix interference.
RL2	Reporting limits raised due to limited sample.
U	Sample result less than method detection limit.
J	Sample result less than reporting limit but higher than method detection limit.
E	Electronic loss or corruption of data.
I	Subcontracted sample

Table 1
Soil Agronomic Properties

Providence Operating- Double J 35-11 Pad

Sample ID	Depth	Sample Date	Location Description	EC ¹	SAR ¹	pH ¹	Organic Matter	Nitrate- Nitrogen	Phosphorus	Potassium	Zinc	Iron	Manganese	Copper	CaCO3 Eq	Texture
	ft bgs			mmhos/cm	ratio		%	mg/kg	ppm	ppm	ppm	ppm	ppm	ppm	%	
SP01@6"	0.5	11/5/2024	Stockpile North	0.68	0.21	8.13	0.91	13.48	<0.50	798.91	ND	16.75	<5.00	<50.00	8.21	Clay Loam
SP01@12"	1.0	11/5/2024	Stockpile North	0.45	0.19	8.16	0.70	5.36	ND	643.72	ND	16.52	<5.00	<50.00	8.10	Clay Loam
SP01@18"	1.5	11/5/2024	Stockpile North	0.66	0.22	7.07	0.83	10.75	<0.50	960.18	ND	33.24	7.20	<5.00	9.18	Silty Loam
SP02@6"	0.5	11/5/2024	Stockpile Center	0.55	0.88	8.28	0.70	4.83	<5.00	654.08	ND	30.57	<5.00	<50.00	7.99	Silty Loam
SP02@12"	1.0	11/5/2024	Stockpile Center	0.82	0.92	8.15	0.68	5.38	ND	611.74	ND	26.87	<5.00	<5.00	7.77	Clay Loam
BG01@6"	0.5	11/5/2024	East of Stockpile	0.90	0.18	7.22	0.57	15.99	7.75	933.19	ND	17.66	<5.00	<5.00	1.24	Medium Loam
BG01@12"	1.0	11/5/2024	East of Stockpile	0.42	0.11	7.46	0.44	6.45	<5.00	890.14	ND	17.85	<5.00	<5.00	0.92	Clay Loam
BG01@18"	1.5	11/5/2024	East of Stockpile	0.35	0.15	8.18	0.44	<0.30	<5.00	1003.86	ND	8.80	<5.00	<5.00	2.67	Medium Loam
BG02@6"	0.5	11/5/2024	Northwest of Pad	1.44	1.04	8.02	0.89	6.30	20.83	1561.57	ND	19.14	6.01	<5.00	2.11	Loam
BG02@12"	1.0	11/5/2024	Northwest of Pad	4.25	3.90	7.59	0.50	<0.30	<5.00	1611.47	ND	15.32	<5.00	<5.00	0.96	Loam
BG02@18"	1.5	11/5/2024	Northwest of Pad	13.70	4.65	7.85	0.63	<0.30	<5.00	1121.08	ND	23.27	<5.00	<5.00	7.24	Sand
BG03@6"	0.5	11/5/2024	South of Pad	0.51	0.49	7.01	0.64	3.77	5.74	959.55	ND	11.85	<5.00	<5.00	0.83	Loam
BG03@12"	1.0	11/5/2024	South of Pad	1.22	1.62	7.65	0.59	<0.30	<5.00	525.29	ND	7.15	<5.00	<5.00	1.12	Silty Clay Loam
BG03@18"	1.5	11/5/2024	South of Pad	1.56	1.95	7.89	0.85	3.76	ND	354.32	ND	15.59	<5.00	<50.00	9.78	Clay Loam
BG04@6"	0.5	11/5/2024	West of Pad	5.37	2.52	7.81	0.47	3.22	<5.00	478.79	ND	10.77	<5.00	<5.00	8.94	Clay Loam
BG04@12"	1.0	11/5/2024	West of Pad	10.41	5.40	7.83	0.61	3.22	ND	375.35	ND	10.41	<5.00	<5.00	10.08	Clay Loam
BG04@18"	1.5	11/5/2024	West of Pad	10.75	5.53	7.88	0.49	<0.30	ND	380.07	ND	17.80	<5.00	<5.00	10.17	Clay Loam
BG05@6"	0.5	11/5/2024	North of Pad	0.62	0.45	7.92	0.66	<0.30	67.36	2163.64	ND	14.44	<5.00	<5.00	0.74	Sandy Clay Loam
BG05@12"	1.0	11/5/2024	North of Pad	0.78	0.71	7.84	0.52	5.16	53.08	1486.73	ND	14.64	<5.00	<5.00	0.71	Sandy Loam
BG05@18"	1.5	11/5/2024	North of Pad	3.85	5.49	7.57	0.62	<0.30	23.78	983.98	ND	22.51	<5.00	<5.00	0.59	Sandy Clay Loam
BG06@6"	0.5	11/5/2024	Northeast of Pad	0.81	0.56	7.32	0.62	9.20	45.59	1264.00	ND	17.07	<5.00	<5.00	0.84	Sandy Loam
BG06@12"	1.0	11/5/2024	Northeast of Pad	0.63	0.45	7.33	0.55	4.01	70.03	1317.20	ND	27.47	<5.00	<5.00	0.96	Sandy Clay Loam
BG06@18"	1.5	11/5/2024	Northeast of Pad	0.55	0.32	7.31	0.56	<0.30	32.81	1207.54	ND	14.67	<5.00	<5.00	0.73	Clay Loam

¹ By Saturated Paste Method

ppm= parts per million

EC = Electrical Conductivity

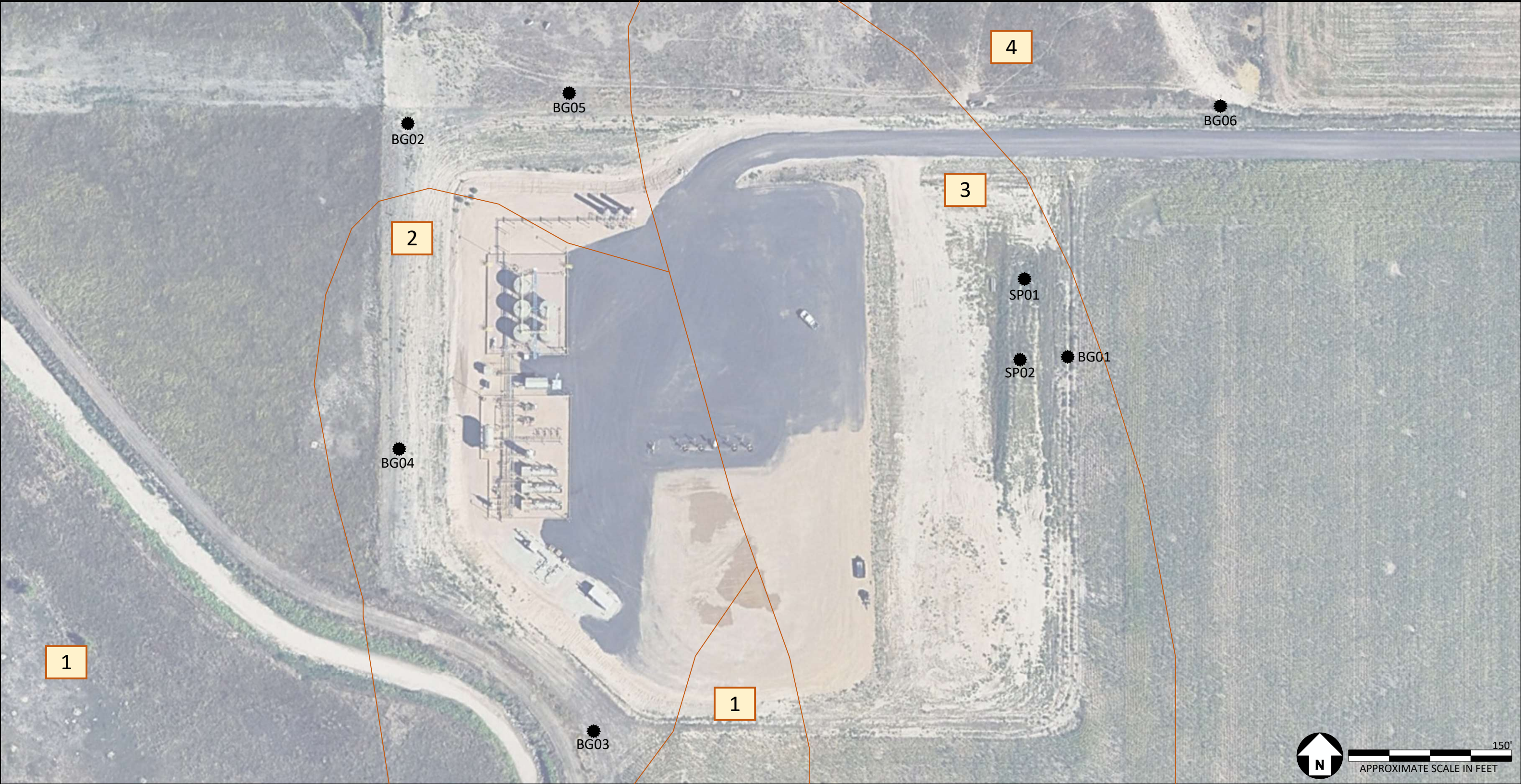
SAR = Sodium Adsorption Ratio

ft bgs - Feet below ground surface

mmhos/cm - Millimhos per centimeter

mg/kg - Milligrams per kilogram





ND = Not Detected



LEGEND:

 SOIL SAMPLE LOCATION

 NRCS SOIL CLASSIFICATION

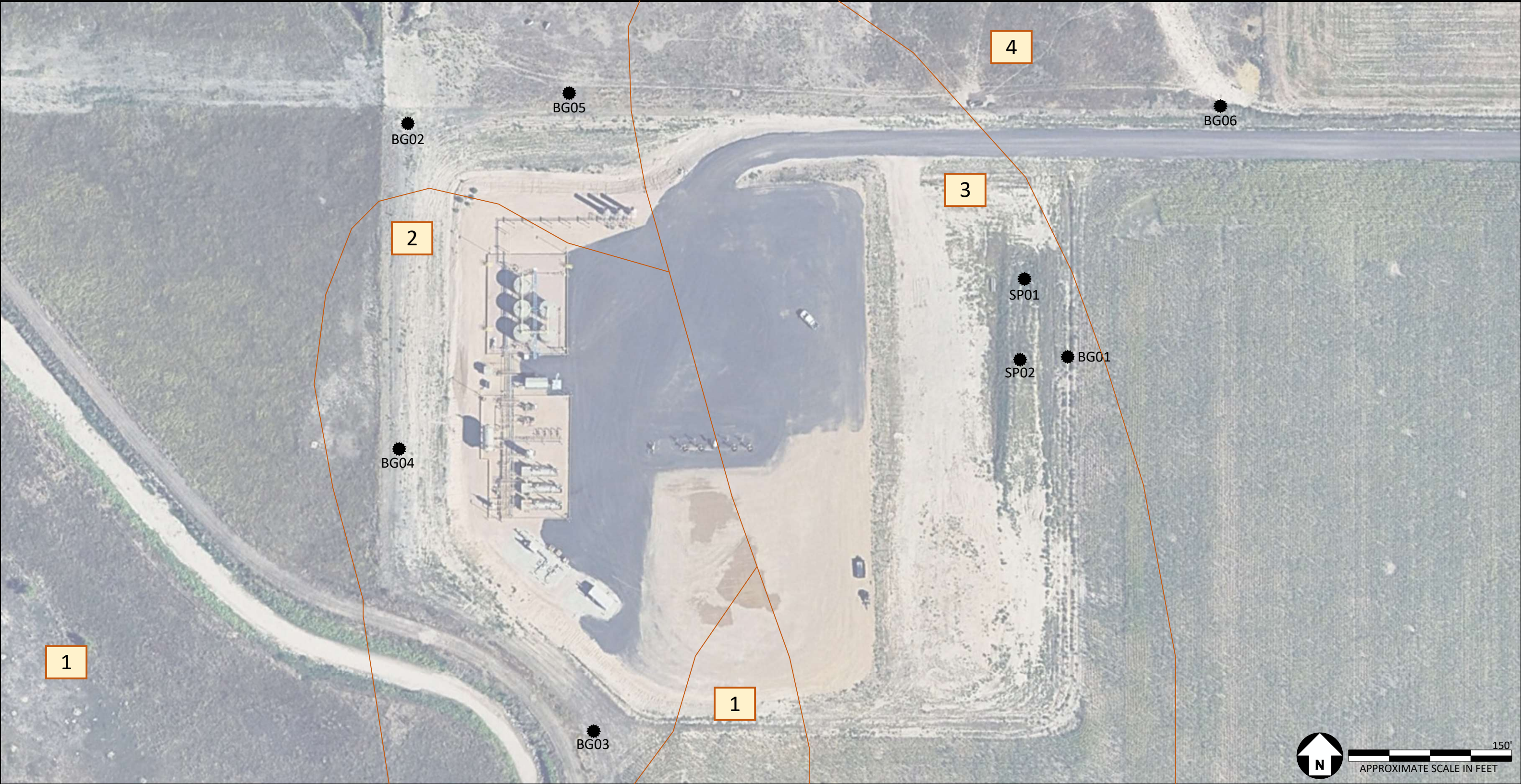
-  NUNN LOAM, 0 TO 3 PERCENT SLOPES
-  WILEY-COLBY COMPLEX, 3 TO 5 PERCENT SLOPES
-  VONA SANDY LOA, 0 TO 1 PERCENT SLOPES
-  COLOMBO CLAY LOAM, 0 TO 1 PERCENT SLOPES

NOTES:
ALL LOCATIONS ARE APPROXIMATE UNLESS NOTED OTHERWISE

DOUBLE J/ 35-11 PAD
SOIL SAMPLE LOCATION MAP
OPERATOR #10694
NWSE SEC. 35 T1N R65W







Imagery source: Google Earth; 2016 Google



LEGEND:

 SOIL SAMPLE LOCATION

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-  NUNN LOAM, 0 TO 3 PERCENT SLOPES
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-  VONA SANDY LOA, 0 TO 1 PERCENT SLOPES
-  COLOMBO CLAY LOAM, 0 TO 1 PERCENT SLOPES

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DOUBLE J/ 35-11 PAD
SOIL SAMPLE LOCATION MAP
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Imagery source: Google Earth; 2016 Google