Division of Environmental Testing
2115 N Scranton St Suite 3040A
Aurora, CO 80045
800-440-5184

September 24, 2025

143 Diamond Ave
Parachute, CO 81635
970-285-2925

Project Manager : Jake Janicek
Project Name : M11-498
Project Number : N/A

Attached are the analytical results for M11-498 N/A received by Elevation Diagnostics, Division of Environmental Testing on September 09, 2025. This is associated with Elevation's number AA31167 .

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: QB Energy
Address: 143 Diamond Avenue
City/State/ZIP: Parachute, CO 81635
Phone: 970-285-2720
Project Contact: Jake Janicek jjanicek@qb-energy.com

Project Name/Number: M11-498
Project Location:
Collector Name: Korey Kennedy - WSP

					Preservative				Matrix			Analysis Requested								Interim report requested
Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO_3	None	Other ___	Water	Soil	Other ___	TPH-GRO-DRO-ORO	Table 915-1 Metals	SAR, EC, pH, Boron (HWS)	Table 915-1 PAH's	BTEX	1,2,4 - TMB	1,3,5 - TMB		☐ Yes ☐ No
1	20250904-M11-498-(POR)@4.5	9/4/2025	10:00	2			✔			✔		✔	✔	✔	✔	✔	✔	✔		Notes
2	20250904-BFBG-(M11-498-E)@3	9/4/2025	10:35	2			✔			✔			✔	✔						AA31167-1
3	20250904-BFBG-(M11-498-S)@3	9/4/2025	10:45	2			✔			✔			✔	✔						AA31168-1
4	20250904-BFBG-(M11-498-W)@3	9/4/2025	11:00	2			✔			✔			✔	✔						AA31169-1
5	20250904-BFBG-(M11-498-N)@3	9/4/2025	11:15	2			✔			✔			✔	✔						AA31170-1
6																				AA31171-1
7																				
8																				
9																				
10																				

Relinquished By: Korey Kennedy
Date/Time: 9/4/25

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.9°C
Corrected Temperature Upon Receipt: 4.3°C
Thermometer #: ENXEQ350
Correction Factor: -0.6°C

Samples Intact: (Yes) No
pH Checked: Yes (No)
pH Adjusted: Yes (No)
PFAS rec'd on ice: Yes No N/A

2025-09-04-005 BA
Lot/EQM Number:

Name/Lot Number of Adjustment:

EFOR-008.005

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FINAL RESULTS REPORT

Report Date : 9/24/2025
Report Time : 21:08

Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

Sample ID / Analyte Name	Customer ID / Analysis Start	Collected	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA31167-1	20250904-M11-498-(POR)@4.5	**Collected :** 09/04/2025	10:00				
EC & pH soil by saturated paste - EC, soil	09/15/2025	18:10		0.55	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature	09/15/2025	18:10		23.30	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil	09/15/2025	18:10		7.96	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	09/16/2025	10:26	10.00	2.91	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	09/16/2025	10:26	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	09/16/2025	10:26	10.00	0.64	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	09/16/2025	10:26	10.00	0.47	No Unit		EPA 6020B
AA31167-2	20250904-M11-498-(POR)@4.5	**Collected :** 09/04/2025	10:00				
Chromium VI, Soil	09/15/2025	16:37		0.10	mg/kg	0.080	EPA 7199
DRO & ORO, Soil - DRO	09/11/2025	15:45		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	09/11/2025	15:45		<100.00	mg/kg	100.00	EPA 8015D
Hot Water Soluble Boron	09/15/2025	08:08		0.17	mg/kg	0.050	Boron Hot Water Extraction
SVOC, Soils - 1-methylnaphthalene	09/22/2025	00:00		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	09/22/2025	00:00		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	09/22/2025	00:00		Not Detected	mg/kg	0.010	EPA 8270
Total Metals, Soils - Arsenic	09/12/2025	08:22	10.00	3.05	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	09/12/2025	08:22	10.00	270.26	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	09/12/2025	08:22	10.00	0.13	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	09/12/2025	08:22	10.00	16.73	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	09/12/2025	08:22	10.00	11.86	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	09/12/2025	08:22	10.00	14.92	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium	09/12/2025	08:22	10.00	2.28	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	09/12/2025	08:22	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc	09/12/2025	08:22	10.00	61.10	mg/kg	0.025	EPA 6020B
VOC, Soils - 1,2,4-trimethylbenzene	09/22/2025	00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	09/22/2025	00:00		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	09/22/2025	00:00		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	09/22/2025	00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	09/22/2025	00:00		Not Detected	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	09/22/2025	00:00		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	09/22/2025	00:00		<0.0014	mg/kg	0.0014	EPA 8260

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FINAL RESULTS REPORT

Report Date : 9/24/2025
Report Time : 21:08

Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - Toluene		09/22/2025	00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		09/22/2025	00:00		<0.0043	mg/kg	0.0043	EPA 8260
AA31168-1	20250904-BFBG-(M11-498-E)@3	**Collected :** 09/04/2025	10:35					
EC & pH soil by saturated paste - EC, soil		09/15/2025	18:10		0.23	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/15/2025	18:10		22.20	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/15/2025	18:10		7.15	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/16/2025	10:26	10.00	1.40	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/16/2025	10:26	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/16/2025	10:26	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/16/2025	10:26	10.00	0.13	No Unit		EPA 6020B
AA31168-2	20250904-BFBG-(M11-498-E)@3	**Collected :** 09/04/2025	10:35					
Chromium VI, Soil		09/15/2025	16:37		0.11	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/15/2025	08:08		0.20	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/12/2025	08:22	10.00	6.26	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/12/2025	08:22	10.00	357.42	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/12/2025	08:22	10.00	0.17	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/12/2025	08:22	10.00	16.66	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/12/2025	08:22	10.00	15.88	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/12/2025	08:22	10.00	18.27	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/12/2025	08:22	10.00	3.20	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/12/2025	08:22	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/12/2025	08:22	10.00	50.16	mg/kg	0.025	EPA 6020B
AA31169-1	20250904-BFBG-(M11-498-S)@3	**Collected :** 09/04/2025	10:45					
EC & pH soil by saturated paste - EC, soil		09/15/2025	18:10		0.34	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/15/2025	18:10		22.20	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/15/2025	18:10		7.58	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/16/2025	10:26	10.00	2.26	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/16/2025	10:26	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/16/2025	10:26	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/16/2025	10:26	10.00	0.22	No Unit		EPA 6020B
AA31169-2	20250904-BFBG-(M11-498-S)@3	**Collected :** 09/04/2025	10:45					
Chromium VI, Soil		09/15/2025	16:37		0.12	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/15/2025	08:08		0.15	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/12/2025	08:22	10.00	7.33	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/12/2025	08:22	10.00	419.62	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/12/2025	08:22	10.00	0.12	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/12/2025	08:22	10.00	15.15	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/12/2025	08:22	10.00	11.38	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/12/2025	08:22	10.00	14.30	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/12/2025	08:22	10.00	3.19	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/12/2025	08:22	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 9/24/2025
Report Time : 21:08

Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Zinc		09/12/2025	08:22	10.00	44.60	mg/kg	0.025	EPA 6020B
AA31170-1	20250904-BFBG-(M11-498-W)@3	**Collected :** 09/04/2025	11:00					
EC & pH soil by saturated paste - EC, soil		09/15/2025	18:10		0.34	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/15/2025	18:10		22.20	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/15/2025	18:10		8.25	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/16/2025	10:26	10.00	1.64	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/16/2025	10:26	10.00	0.91	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/16/2025	10:26	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/16/2025	10:26	10.00	0.33	No Unit		EPA 6020B
AA31170-2	20250904-BFBG-(M11-498-W)@3	**Collected :** 09/04/2025	11:00					
Chromium VI, Soil		09/15/2025	16:37		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/15/2025	08:08		0.19	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/12/2025	08:22	10.00	4.31	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/12/2025	08:22	10.00	320.28	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/12/2025	08:22	10.00	0.20	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/12/2025	08:22	10.00	6.20	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/12/2025	08:22	10.00	5.20	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/12/2025	08:22	10.00	7.77	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/12/2025	08:22	10.00	1.62	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/12/2025	08:22	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/12/2025	08:22	10.00	28.62	mg/kg	0.025	EPA 6020B
AA31171-1	20250904-BFBG-(M11-498-N)@3	**Collected :** 09/04/2025	11:15					
EC & pH soil by saturated paste - EC, soil		09/15/2025	18:20		0.15	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/15/2025	18:20		21.80	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/15/2025	18:20		6.92	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/16/2025	10:26	10.00	0.92	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/16/2025	10:26	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/16/2025	10:26	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/16/2025	10:26	10.00	0.12	No Unit		EPA 6020B
AA31171-2	20250904-BFBG-(M11-498-N)@3	**Collected :** 09/04/2025	11:15					
Chromium VI, Soil		09/15/2025	16:37		0.15	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/15/2025	08:08		0.20	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/12/2025	08:22	10.00	4.46	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/12/2025	08:22	10.00	353.53	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/12/2025	08:22	10.00	0.18	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/12/2025	08:22	10.00	14.35	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/12/2025	08:22	10.00	12.79	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/12/2025	08:22	10.00	13.04	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/12/2025	08:22	10.00	2.85	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/12/2025	08:22	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/12/2025	08:22	10.00	45.54	mg/kg	0.025	EPA 6020B

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Report Date : 9/24/2025
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Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

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

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Report Date : 9/24/2025
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Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-11579										
DUP	AA31015	0.14	0.050	mg/kg					6.9	-15 - 15
DUP	AA31245	0.25	0.050	mg/kg					3.9	-15 - 15
MB	AA31371	0.00		mg/kg						
LCS	AA31372	0.98		mg/kg	1.00		98.0	80 - 120		
LCS	AA31373	9.78		mg/kg	9.00		109	80 - 120		
CHROM_VI_SOIL-11568										
DUP	AA31015	0.14	0.080	mg/kg					6.8966	- 20
MB	AA31345	0.02		mg/kg						
LCS	AA31347	1.59		mg/kg	1.61		98.8	80 - 120		
LCS	AA31348	1.66		mg/kg	1.61		103	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-11530										
AA31132										
Dup	DRO	338.64				<100.00			2.22	- 30
Dup	ORO	416.69				<100.00			5.02	- 50
Matrix Spike	DRO	346.25		mg/kg	350	<100.00	98.9	70 - 130		
Matrix Spike	ORO	396.29		mg/kg	350	<100.00	113	50 - 150		
AA31261										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA31262										
LCS	DRO	246.71		mg/kg			70.5	70 - 130		
LCS	ORO	293.18		mg/kg			83.8	50 - 150		
AA31263										
LCS	DRO	285.63		mg/kg			81.6	70 - 130		
LCS	ORO	304.66		mg/kg			87.0	50 - 150		
EC_PH-11653										
AA31167										
Dup	EC, soil	0.54	0.0005	mmhos/cm		0.55			1.83	- 5
Dup	pH soil Temperature	23.50		°C		23.30				
Dup	pH, soil	8.00	0.01	SU		7.96			0.501	- 5
AA31718										
LCS	EC, soil	9.52	0.0005	mmhos/cm			95.2	85 - 115		
LCS	pH, soil	6.88	0.01	SU			100	85 - 115		
AA31719										
LCS	EC, soil	9.53	0.0005	mmhos/cm			95.3	85 - 115		
LCS	pH, soil	6.91	0.01	SU			101	85 - 115		
EC_PH-11659										
AA31171										
Dup	EC, soil	0.15	0.0005	mmhos/cm		0.15			<%MDL%	- 5
Dup	pH soil Temperature	24.20		°C		21.80				
Dup	pH, soil	6.94	0.01	SU		6.92			0.289	- 5
AA31726										
LCS	EC, soil	9.42	0.0005	mmhos/cm			94.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA31727										
LCS	EC, soil	9.52	0.0005	mmhos/cm			95.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
METALS_S-11528										
AA30977										
Dup	Arsenic	1.26	0.025	mg/kg		1.14			10.0	0 - 15
Dup	Barium	21.08	0.025	mg/kg		20.45			3.03	0 - 15
Dup	Cadmium	0.03	0.001	mg/kg		0.03			<%MDL%	0 - 15
Dup	Copper	4.52	0.025	mg/kg		4.21			7.10	0 - 15
Dup	Lead	1.92	0.025	mg/kg		1.83			4.80	0 - 15
Dup	Nickel	1.24	0.025	mg/kg		1.14			8.40	0 - 15

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FINAL RESULTS REPORT

Report Date : 9/24/2025
Report Time : 21:08

Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Selenium	1.39	0.025	mg/kg		1.23			12.2	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	7.42	0.025	mg/kg		7.19			3.15	0 - 15
Matrix Spike	Arsenic	21.38		mg/kg	20	1.14	101	80 - 120		
Matrix Spike	Barium	43.07		mg/kg	20	20.45	113	80 - 120		
Matrix Spike	Cadmium	20.25		mg/kg	20	0.03	101	80 - 120		
Matrix Spike	Copper	23.97		mg/kg	20	4.21	98.8	80 - 120		
Matrix Spike	Lead	21.89		mg/kg	20	1.83	100	80 - 120		
Matrix Spike	Nickel	21.10		mg/kg	20	1.14	99.8	80 - 120		
Matrix Spike	Selenium	21.75		mg/kg	20	1.23	103	80 - 120		
Matrix Spike	Silver	19.49		mg/kg	20	<0.03	97.4	80 - 120		
Matrix Spike	Zinc	28.19		mg/kg	20	7.19	105	80 - 120		
AA31257										
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						
AA31259										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA31260										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-11683										
AA31167										
Dup	Calcium	2.98		mEq/L	2.98	2.91			2.38	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				

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QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Sodium	0.66		mEq/L	0.66	0.64			3.08	- 20
Dup	Sodium Adsorption Ratio	0.48		mEq/L	0.48	0.47			2.11	- 20
AA31171										
Dup	Calcium	0.93		mEq/L	1.08	0.92			1.08	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	<0.43		mEq/L	<0.43	<0.43				
Dup	Sodium Adsorption Ratio	0.12		mEq/L	<%MDL%	0.12			<%MDL%	- 20
AA31794										
MB	Calcium	0.01		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA31795										
LCS	Calcium	11.52		ppm			115	80 - 120		
LCS	Magnesium	11.76		ppm			118	80 - 120		
LCS	Sodium	11.49		ppm			115	80 - 120		
LCS	Sodium Adsorption Ratio	0.57		ppm			106	80 - 120		
AA31796										
LCS	Calcium	516.65		ppm			103	80 - 120		
LCS	Magnesium	545.11		ppm			109	80 - 120		
LCS	Sodium	570.63		ppm			114	80 - 120		
LCS	Sodium Adsorption Ratio	4.18		ppm			111	80 - 120		
SVOC_SOIL-11638										
AA31139										
Dup	2-methylnaphthalene	0.275	0.010	mg/kg		Not Detected			46.8	- 30
Dup	Naphthalene	0.287	0.010	mg/kg		Not Detected			43.2	- 30
Matrix Spike	2-methylnaphthalene	0.443	0.010	mg/kg	0.300	Not Detected	148	70 - 130		
Matrix Spike	Naphthalene	0.445	0.010	mg/kg	0.300	Not Detected	148	70 - 130		
AA31677										
MB	1-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	Not Detected	0.010	mg/kg						
MB	Anthracene	Not Detected	0.010	mg/kg						
MB	Benz(a)anthracene	Not Detected	0.010	mg/kg						
MB	Benzo(a)pyrene	Not Detected	0.010	mg/kg						
MB	Benzo(b)fluoranthene	Not Detected	0.010	mg/kg						
MB	Benzo(k)fluoranthene	Not Detected	0.010	mg/kg						
MB	Chrysene	Not Detected	0.010	mg/kg						
MB	Dibenz(a,h)anthracene	Not Detected	0.010	mg/kg						
MB	Fluoranthene	Not Detected	0.010	mg/kg						
MB	Fluorene	Not Detected	0.010	mg/kg						
MB	Indeno(1,2,3-cd)pyrene	Not Detected	0.010	mg/kg						
MB	Naphthalene	Not Detected	0.010	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA31678										
LCS	1-methylnaphthalene	0.272	0.010	mg/kg			90.7	70 - 130		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	2-methylnaphthalene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Acenaphthene	0.362	0.010	mg/kg			121	70 - 130		
LCS	Anthracene	0.302	0.010	mg/kg			101	70 - 130		
LCS	Benz(a)anthracene	0.310	0.010	mg/kg			103	70 - 130		
LCS	Benzo(a)pyrene	0.261	0.010	mg/kg			87.0	70 - 130		
LCS	Benzo(b)fluoranthene	0.269	0.010	mg/kg			89.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.248	0.010	mg/kg			82.7	70 - 130		
LCS	Chrysene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.338	0.010	mg/kg			113	70 - 130		
LCS	Fluoranthene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluorene	0.376	0.010	mg/kg			125	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.267	0.010	mg/kg			89.0	70 - 130		
LCS	Naphthalene	0.306	0.010	mg/kg			102	70 - 130		
LCS	Pyrene	0.248	0.010	mg/kg			82.7	70 - 130		
AA31679										
LCS	1-methylnaphthalene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	2-methylnaphthalene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Acenaphthene	0.338	0.010	mg/kg			113	70 - 130		
LCS	Anthracene	0.274	0.010	mg/kg			91.3	70 - 130		
LCS	Benz(a)anthracene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(a)pyrene	0.215	0.010	mg/kg			71.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.245	0.010	mg/kg			81.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.224	0.010	mg/kg			74.7	70 - 130		
LCS	Chrysene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Fluoranthene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Fluorene	0.381	0.010	mg/kg			127	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.257	0.010	mg/kg			85.7	70 - 130		
LCS	Naphthalene	0.301	0.010	mg/kg			100	70 - 130		
LCS	Pyrene	0.253	0.010	mg/kg			84.3	70 - 130		
VOC_S-11598										
AA31223										
Dup	1,2,4-trimethylbenzene	0.042	0.0016	mg/kg		<0.0016			9.09	- 30
Dup	1,3,5-trimethylbenzene	0.046	0.0015	mg/kg		<0.0015			4.26	- 30
Dup	Benzene	0.057	0.0015	mg/kg		Not Detected			1.74	- 30
Dup	Ethylbenzene	0.054	0.0014	mg/kg		<0.0014			3.64	- 30
Dup	Gasoline Range Organics	2.328	0.223	mg/kg		Not Detected			1.41	
Dup	m&p- xylene	0.106	0.0029	mg/kg		<0.0029			1.87	- 30
Dup	o-xylene	0.050	0.0014	mg/kg		<0.0014			3.92	- 30
Dup	Toluene	0.050	0.0016	mg/kg		<0.0016			5.83	- 30
Dup	Xylenes, total	0.156	0.0043	mg/kg		<0.0043			2.53	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.046		mg/kg	0.050	<0.0016	92.0	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.048		mg/kg	0.050	<0.0015	96.0	70 - 130		
Matrix Spike	Benzene	0.058		mg/kg	0.050	Not Detected	116	70 - 130		
Matrix Spike	Ethylbenzene	0.056		mg/kg	0.050	<0.0014	112	70 - 130		
Matrix Spike	Gasoline Range Organics	2.361		mg/kg	2.540	Not Detected	93.0			

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Project Manager: Jake Janicek **Project Name:** M11-498 **Project Number:** N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	m&p- xylene	0.108		mg/kg	0.100	<0.0029	108	70 - 130		
Matrix Spike	o-xylene	0.052		mg/kg	0.050	<0.0014	104	70 - 130		
Matrix Spike	Toluene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	Xylenes, total	0.160		mg/kg	0.150	<0.0043	107	70 - 130		
AA31504										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						
AA31505										
LCS	1,2,4-trimethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	1,3,5-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	Benzene	0.057		mg/kg			114	70 - 130		
LCS	Ethylbenzene	0.057		mg/kg			114	70 - 130		
LCS	Gasoline Range Organics	2.790		mg/kg			110			
LCS	m&p- xylene	0.111		mg/kg			111	70 - 130		
LCS	o-xylene	0.054		mg/kg			108	70 - 130		
LCS	Toluene	0.053		mg/kg			106	70 - 130		
LCS	Xylenes, total	0.165		mg/kg			110	70 - 130		
AA31506										
LCS	1,2,4-trimethylbenzene	0.054		mg/kg			108	70 - 130		
LCS	1,3,5-trimethylbenzene	0.057		mg/kg			114	70 - 130		
LCS	Benzene	0.058		mg/kg			116	70 - 130		
LCS	Ethylbenzene	0.057		mg/kg			114	70 - 130		
LCS	Gasoline Range Organics	2.681		mg/kg			106			
LCS	m&p- xylene	0.115		mg/kg			115	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.052		mg/kg			104	70 - 130		
LCS	Xylenes, total	0.170		mg/kg			113	70 - 130		

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

Qualifier	Explanation
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.
EST	The concentration indicated has been estimated due to high analyte content.
E	Electronic loss or corruption of data.
I	Subcontracted sample