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

October 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	AU 178
Project Number :	CIT-1054

Attached are the analytical results for AU 178 CIT-1054 received by Elevation Diagnostics, Division of Environmental Testing on September 19, 2025. This is associated with Elevation's number AA32293 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT-1054-AU 178
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite
1	AU_178_WH_RISER@14'	09/15/25	12:00	3			✔			✔		✔
2												
3												
4												
5												
6												
7												
8												
9												
10												

Interim report requested: ☐ Yes ☑ No

Notes: Table 915 Full Suite

AA32293-1

Relinquished By: [signature]
Date/Time: 9/19/25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.6°C SM
Corrected Temperature Upon Receipt: 4.0°C
Thermometer #: EDXEQ350
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

2025-09-19-026 SM
Lot/EQM Number:

Name/Lot Number of Adjustment:

EFOR-008.005

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:42

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA32293-1	AU_178_WH_RISER@14'	**Collected :** 09/15/2025 12:00					
EC & pH soil by saturated paste - EC, soil		09/23/2025 15:42		0.54	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/23/2025 15:42		19.50	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/23/2025 15:42		8.61	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/24/2025 07:05	10.00	1.20	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/24/2025 07:05	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/24/2025 07:05	10.00	3.30	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/24/2025 07:05	10.00	4.07	No Unit		EPA 6020B
AA32293-2	AU_178_WH_RISER@14'	**Collected :** 09/15/2025 12:00					
Chromium VI, Soil		09/26/2025 10:42		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/24/2025 11:08		0.58	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/29/2025 13:05	10.00	4.22	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/29/2025 13:05	10.00	194.37	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/29/2025 13:05	10.00	0.17	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/29/2025 13:05	10.00	10.36	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/29/2025 13:05	10.00	8.36	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/29/2025 13:05	10.00	9.59	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/29/2025 13:05	10.00	2.46	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/29/2025 13:05	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/29/2025 13:05	10.00	32.07	mg/kg	0.025	EPA 6020B
AA32293-3	AU_178_WH_RISER@14'	**Collected :** 09/15/2025 12:00					
DRO & ORO, Soil - DRO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/06/2025 00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/06/2025 00:00		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		10/06/2025 00:00		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		10/06/2025 00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		10/06/2025 00:00		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		10/06/2025 00:00		<0.0029	mg/kg	0.0029	EPA 8260

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - o-xylene		10/06/2025	00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		10/06/2025	00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		10/06/2025	00:00		<0.0043	mg/kg	0.0043	EPA 8260

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-11873										
DUP	AA30565	0.23	0.050	mg/kg					8.3	-15 - 15
DUP	AA32194	0.40	0.050	mg/kg					2.5	-15 - 15
DUP	AA32300	0.27	0.050	mg/kg					10.5	-15 - 15
DUP	AA32412	0.19	0.050	mg/kg					10.0	-15 - 15
DUP	AA32457	0.69	0.050	mg/kg					7.0	-15 - 15
MB	AA32488	0.00		mg/kg						
LCS	AA32489	1.18		mg/kg	1.00		118	80 - 120		
LCS	AA32490	10.70		mg/kg	9.00		119	80 - 120		
CHROM_VI_SOIL-11879										
DUP	AA32245	<0.08	0.080	mg/kg						
MB	AA32539	0.02		mg/kg						
LCS	AA32541	1.61		mg/kg	1.56		103	80 - 120		
LCS	AA32542	1.62		mg/kg	1.57		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-11804										
AA32271										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA32272										
LCS	DRO	277.47		mg/kg			79.3	70 - 130		
LCS	ORO	287.99		mg/kg			82.3	50 - 150		
AA32273										
LCS	DRO	292.25		mg/kg			83.5	70 - 130		
LCS	ORO	297.26		mg/kg			84.9	50 - 150		
AA32274										
Dup	DRO	297.79				Not Detected			4.18	- 30
Dup	ORO	315.33				Not Detected			7.04	- 50
Matrix Spike	DRO	285.61		mg/kg	350	Not Detected	81.6	70 - 130		
Matrix Spike	ORO	293.88		mg/kg	350	Not Detected	84.0	50 - 150		
EC_PH-11869										
AA32293										
Dup	EC, soil	0.53	0.0005	mmhos/cm		0.54			1.87	- 5
Dup	pH soil Temperature	19.50		°C		19.50				
Dup	pH, soil	8.70	0.01	SU		8.61			1.04	- 5
AA32480										
LCS	EC, soil	9.41	0.0005	mmhos/cm			94.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA32481										
LCS	EC, soil	9.15	0.0005	mmhos/cm			91.5	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-11916										
AA31607										
Dup	Arsenic	2.78	0.025	mg/kg		2.81			1.07	0 - 15
Dup	Barium	26.82	0.025	mg/kg		29.79			10.5	0 - 15
Dup	Cadmium	0.04	0.001	mg/kg		0.04			<%MDL%	0 - 15
Dup	Copper	2.34	0.025	mg/kg		2.45			4.59	0 - 15
Dup	Lead	2.92	0.025	mg/kg		3.37			14.3	0 - 15
Dup	Nickel	2.39	0.025	mg/kg		2.44			2.07	0 - 15
Dup	Selenium	1.59	0.025	mg/kg		1.64			3.10	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	11.52	0.025	mg/kg		11.25			2.37	0 - 15
Matrix Spike	Arsenic	23.39		mg/kg	20	2.81	103	80 - 120		
Matrix Spike	Barium	48.08		mg/kg	20	29.79	91.4	80 - 120		
Matrix Spike	Cadmium	20.75		mg/kg	20	0.04	104	80 - 120		
Matrix Spike	Copper	23.34		mg/kg	20	2.45	104	80 - 120		
Matrix Spike	Lead	24.17		mg/kg	20	3.37	104	80 - 120		
Matrix Spike	Nickel	22.92		mg/kg	20	2.44	102	80 - 120		
Matrix Spike	Selenium	23.82		mg/kg	20	1.64	111	80 - 120		
Matrix Spike	Silver	19.99		mg/kg	20	<0.03	100	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	34.84		mg/kg	20	11.25	118	80 - 120		
AA32284										
Dup	Arsenic	5.09	0.025	mg/kg		5.21			2.33	0 - 15
Matrix Spike	Arsenic	24.94		mg/kg	20	5.21	98.6	80 - 120		
AA32386										
Dup	Arsenic	6.12	0.025	mg/kg		6.20			1.30	0 - 15
Dup	Barium	276.67	0.025	mg/kg		268.05			3.16	0 - 15
Dup	Cadmium	0.11	0.001	mg/kg		0.12			8.70	0 - 15
Dup	Copper	9.70	0.025	mg/kg		9.42			2.93	0 - 15
Dup	Lead	10.84	0.025	mg/kg		11.14			2.73	0 - 15
Dup	Nickel	14.75	0.025	mg/kg		15.00			1.68	0 - 15
Dup	Selenium	1.96	0.025	mg/kg		2.15			9.25	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.17	0.025	mg/kg		37.28			0.296	0 - 15
Matrix Spike	Arsenic	26.59		mg/kg	20	6.20	102	80 - 120		
Matrix Spike	Barium	289.77		mg/kg	20	268.05	109	80 - 120		
Matrix Spike	Cadmium	19.90		mg/kg	20	0.12	98.9	80 - 120		
Matrix Spike	Copper	27.46		mg/kg	20	9.42	90.2	80 - 120		
Matrix Spike	Lead	31.10		mg/kg	20	11.14	99.8	80 - 120		
Matrix Spike	Nickel	34.53		mg/kg	20	15.00	97.6	80 - 120		
Matrix Spike	Selenium	24.70		mg/kg	20	2.15	113	80 - 120		
Matrix Spike	Silver	18.25		mg/kg	20	<0.25	91.2	80 - 120		
Matrix Spike	Zinc	56.85		mg/kg	20	37.28	97.8	80 - 120		
AA32614										
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						
AA32617										
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	0.11		mg/kg			110	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA32618										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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-11893										
AA32283										
Dup	Calcium	0.90		mEq/L	7.49	0.97			7.49	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.77		mEq/L	5.06	0.81			5.06	- 20
Dup	Sodium Adsorption Ratio	0.88		mEq/L	2.25	0.90			2.25	- 20
AA32293										
Dup	Calcium	1.36		mEq/L	12.5	1.20			12.5	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	3.54		mEq/L	7.02	3.30			7.02	- 20
Dup	Sodium Adsorption Ratio	4.11		mEq/L	0.978	4.07			0.978	- 20
AA32570										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA32571										
LCS	Calcium	8.62		ppm			86.2	80 - 120		
LCS	Magnesium	9.01		ppm			90.1	80 - 120		
LCS	Sodium	8.66		ppm			86.6	80 - 120		
LCS	Sodium Adsorption Ratio	0.49		ppm			90.7	80 - 120		
AA32572										
LCS	Calcium	452.58		ppm			90.5	80 - 120		
LCS	Magnesium	454.02		ppm			90.8	80 - 120		
LCS	Sodium	476.57		ppm			95.3	80 - 120		
LCS	Sodium Adsorption Ratio	3.79		ppm			100	80 - 120		
SVOC_SOIL-11866										
AA32391										
Dup	1-methylnaphthalene	0.323	0.010	mg/kg		<0.00313			7.38	- 30
Dup	2-methylnaphthalene	0.332	0.010	mg/kg		<0.010			7.18	- 30
Dup	Acenaphthene	0.315	0.010	mg/kg		Not Detected			16.1	- 30
Dup	Anthracene	0.327	0.010	mg/kg		Not Detected			5.34	- 30
Dup	Benz(a)anthracene	0.299	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Benzo(a)pyrene	0.260	0.010	mg/kg		Not Detected			1.90	- 30
Dup	Benzo(b)fluoranthene	0.229	0.010	mg/kg		Not Detected			1.30	- 30
Dup	Benzo(k)fluoranthene	0.235	0.010	mg/kg		Not Detected			5.38	- 30
Dup	Chrysene	0.287	0.010	mg/kg		Not Detected			3.09	- 30
Dup	Dibenz(a,h)anthracene	0.226	0.010	mg/kg		Not Detected			5.17	- 30
Dup	Fluoranthene	0.331	0.010	mg/kg		Not Detected			5.91	- 30

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Fluorene	0.339	0.010	mg/kg		Not Detected			7.02	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.219	0.010	mg/kg		Not Detected			3.59	- 30
Dup	Naphthalene	0.265	0.010	mg/kg		Not Detected			5.83	- 30
Dup	Pyrene	0.320	0.010	mg/kg		Not Detected			2.85	- 30
Matrix Spike	1-methylnaphthalene	0.300	0.010	mg/kg	0.300	<0.00313	100	70 - 130		
Matrix Spike	2-methylnaphthalene	0.309	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		
Matrix Spike	Benz(a)anthracene	0.299	0.010	mg/kg	0.300	Not Detected	99.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.232	0.010	mg/kg	0.300	Not Detected	77.3	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.248	0.010	mg/kg	0.300	Not Detected	82.7	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Fluoranthene	0.312	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
Matrix Spike	Fluorene	0.316	0.010	mg/kg	0.300	Not Detected	105	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.227	0.010	mg/kg	0.300	Not Detected	75.7	70 - 130		
Matrix Spike	Naphthalene	0.250	0.010	mg/kg	0.300	Not Detected	83.3	70 - 130		
Matrix Spike	Pyrene	0.311	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
AA32467										
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						
AA32468										
LCS	1-methylnaphthalene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	2-methylnaphthalene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Acenaphthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Anthracene	0.309	0.010	mg/kg			103	70 - 130		
LCS	Benz(a)anthracene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Benzo(a)pyrene	0.212	0.010	mg/kg			70.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benzo(k)fluoranthene	0.216	0.010	mg/kg			72.0	70 - 130		
LCS	Chrysene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.210	0.010	mg/kg			70.0	70 - 130		
LCS	Fluoranthene	0.271	0.010	mg/kg			90.3	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:42

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Fluorene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Naphthalene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Pyrene	0.277	0.010	mg/kg			92.3	70 - 130		
AA32469										
LCS	1-methylnaphthalene	0.325	0.010	mg/kg			108	70 - 130		
LCS	2-methylnaphthalene	0.320	0.010	mg/kg			107	70 - 130		
LCS	Acenaphthene	0.285	0.010	mg/kg			95.0	70 - 130		
LCS	Anthracene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benz(a)anthracene	0.284	0.010	mg/kg			94.7	70 - 130		
LCS	Benzo(a)pyrene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Chrysene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.226	0.010	mg/kg			75.3	70 - 130		
LCS	Fluoranthene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Fluorene	0.299	0.010	mg/kg			99.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.223	0.010	mg/kg			74.3	70 - 130		
LCS	Naphthalene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
VOC_S-12049										
AA31698										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			7.55	- 30
Dup	1,3,5-trimethylbenzene	0.057	0.0015	mg/kg		<0.0015			7.27	- 30
Dup	Benzene	0.053	0.0015	mg/kg		Not Detected			9.01	- 30
Dup	Ethylbenzene	0.063	0.0014	mg/kg		Not Detected			11.8	- 30
Dup	Gasoline Range Organics	2.67	0.223	mg/kg		Not Detected			1.89	
Dup	m&p- xylene	0.122	0.0029	mg/kg		<0.0029			11.3	- 30
Dup	o-xylene	0.059	0.0014	mg/kg		Not Detected			14.5	- 30
Dup	Toluene	0.056	0.0016	mg/kg		<0.0016			5.22	- 30
Dup	Xylenes, total	0.181	0.0043	mg/kg		<0.0043			12.3	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.053		mg/kg	0.050	<0.0015	106	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	Not Detected	112	70 - 130		
Matrix Spike	Gasoline Range Organics	2.62		mg/kg	2.540	Not Detected	103			
Matrix Spike	m&p- xylene	0.109		mg/kg	0.100	<0.0029	109	70 - 130		
Matrix Spike	o-xylene	0.051		mg/kg	0.050	Not Detected	102	70 - 130		
Matrix Spike	Toluene	0.059		mg/kg	0.050	<0.0016	118	70 - 130		
Matrix Spike	Xylenes, total	0.160		mg/kg	0.150	<0.0043	107	70 - 130		
AA33113										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:42

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	m&p- xylene	Not Detected		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	Not Detected		mg/kg						
AA33114										
LCS	1,2,4-trimethylbenzene	0.039		mg/kg			78.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	Benzene	0.051		mg/kg			102	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	2.58		mg/kg			102			
LCS	m&p- xylene	0.088		mg/kg			88.0	70 - 130		
LCS	Naphthalene	0.041		mg/kg						
LCS	o-xylene	0.041		mg/kg			82.0	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.129		mg/kg			86.0	70 - 130		
AA33115										
LCS	1,2,4-trimethylbenzene	0.058		mg/kg			116	70 - 130		
LCS	1,3,5-trimethylbenzene	0.059		mg/kg			118	70 - 130		
LCS	Benzene	0.056		mg/kg			112	70 - 130		
LCS	Ethylbenzene	0.064		mg/kg			128	70 - 130		
LCS	Gasoline Range Organics	2.05		mg/kg			80.7			
LCS	m&p- xylene	0.123		mg/kg			123	70 - 130		
LCS	Naphthalene	0.062		mg/kg						
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.064		mg/kg			128	70 - 130		
LCS	Xylenes, total	0.181		mg/kg			121	70 - 130		

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:42

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

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

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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October 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	AU 178
Project Number :	CIT-1054

Attached are the analytical results for AU 178 CIT-1054 received by Elevation Diagnostics, Division of Environmental Testing on September 19, 2025. This is associated with Elevation's number AA32294 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT-1054-AU 178
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

					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	Full Suite								☐ Yes ☑ No
																				Notes
1	AU_178_WH_B01@10'	09/15/25	12:15	3	☐	☐	✔	☐	☐	✔	☐	✔	☐	☐	☐	☐	☐	☐	☐	Table 915 Full Suite
2					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
3					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
4					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
5					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
6					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
7					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
8					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
9					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
10					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

AA322941

Relinquished By:	Relinquished By:	Relinquished By:	Scan to Deliver Samples
Date/Time: 9/19/25 9:30	Date/Time:	Date/Time:	

Lab Use Only

Observed Temperature Upon Receipt: 4.6°C SA
Corrected Temperature Upon Receipt: 4.0°C
Thermometer #: EAXEQ350
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

2025-09-19-027 SA
Lot/EQM Number:

Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA32294-1	AU_178_WH_B01@10'	**Collected :** 09/15/2025 12:15					
EC & pH soil by saturated paste - EC, soil		09/23/2025 15:42		1.41	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/23/2025 15:42		23.10	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/23/2025 15:42		9.83	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/24/2025 07:05	10.00	<0.50	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/24/2025 07:05	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/24/2025 07:05	10.00	13.99	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/24/2025 07:05	10.00	47.29	No Unit		EPA 6020B
AA32294-2	AU_178_WH_B01@10'	**Collected :** 09/15/2025 12:15					
Chromium VI, Soil		09/26/2025 10:42		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/24/2025 11:08		0.54	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/29/2025 13:05	10.00	4.71	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/29/2025 13:05	10.00	276.78	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/29/2025 13:05	10.00	0.16	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/29/2025 13:05	10.00	10.52	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/29/2025 13:05	10.00	8.26	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/29/2025 13:05	10.00	9.47	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/29/2025 13:05	10.00	2.12	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/29/2025 13:05	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/29/2025 13:05	10.00	34.44	mg/kg	0.025	EPA 6020B
AA32294-3	AU_178_WH_B01@10'	**Collected :** 09/15/2025 12:15					
DRO & ORO, Soil - DRO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/06/2025 00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/06/2025 00:00		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		10/06/2025 00:00		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		10/06/2025 00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		10/06/2025 00:00		0.285	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		10/06/2025 00:00		Not Detected	mg/kg	0.0029	EPA 8260

Division of Environmental Testing
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Aurora, CO 80045
800-440-5184

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - o-xylene		10/06/2025	00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		10/06/2025	00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		10/06/2025	00:00		Not Detected	mg/kg	0.0043	EPA 8260

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-11873										
DUP	AA30565	0.23	0.050	mg/kg					8.3	-15 - 15
DUP	AA32194	0.40	0.050	mg/kg					2.5	-15 - 15
DUP	AA32300	0.27	0.050	mg/kg					10.5	-15 - 15
DUP	AA32412	0.19	0.050	mg/kg					10.0	-15 - 15
DUP	AA32457	0.69	0.050	mg/kg					7.0	-15 - 15
MB	AA32488	0.00		mg/kg						
LCS	AA32489	1.18		mg/kg	1.00		118	80 - 120		
LCS	AA32490	10.70		mg/kg	9.00		119	80 - 120		
CHROM_VI_SOIL-11879										
DUP	AA32245	<0.08	0.080	mg/kg						
MB	AA32539	0.02		mg/kg						
LCS	AA32541	1.61		mg/kg	1.56		103	80 - 120		
LCS	AA32542	1.62		mg/kg	1.57		103	80 - 120		

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-11804										
AA32271										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA32272										
LCS	DRO	277.47		mg/kg			79.3	70 - 130		
LCS	ORO	287.99		mg/kg			82.3	50 - 150		
AA32273										
LCS	DRO	292.25		mg/kg			83.5	70 - 130		
LCS	ORO	297.26		mg/kg			84.9	50 - 150		
AA32274										
Dup	DRO	297.79				Not Detected			4.18	- 30
Dup	ORO	315.33				Not Detected			7.04	- 50
Matrix Spike	DRO	285.61		mg/kg	350	Not Detected	81.6	70 - 130		
Matrix Spike	ORO	293.88		mg/kg	350	Not Detected	84.0	50 - 150		
EC_PH-11869										
AA32293										
Dup	EC, soil	0.53	0.0005	mmhos/cm		0.54			1.87	- 5
Dup	pH soil Temperature	19.50		°C		19.50				
Dup	pH, soil	8.70	0.01	SU		8.61			1.04	- 5
AA32480										
LCS	EC, soil	9.41	0.0005	mmhos/cm			94.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA32481										
LCS	EC, soil	9.15	0.0005	mmhos/cm			91.5	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-11916										
AA31607										
Dup	Arsenic	2.78	0.025	mg/kg		2.81			1.07	0 - 15
Dup	Barium	26.82	0.025	mg/kg		29.79			10.5	0 - 15
Dup	Cadmium	0.04	0.001	mg/kg		0.04			<%MDL%	0 - 15
Dup	Copper	2.34	0.025	mg/kg		2.45			4.59	0 - 15
Dup	Lead	2.92	0.025	mg/kg		3.37			14.3	0 - 15
Dup	Nickel	2.39	0.025	mg/kg		2.44			2.07	0 - 15
Dup	Selenium	1.59	0.025	mg/kg		1.64			3.10	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	11.52	0.025	mg/kg		11.25			2.37	0 - 15
Matrix Spike	Arsenic	23.39		mg/kg	20	2.81	103	80 - 120		
Matrix Spike	Barium	48.08		mg/kg	20	29.79	91.4	80 - 120		
Matrix Spike	Cadmium	20.75		mg/kg	20	0.04	104	80 - 120		
Matrix Spike	Copper	23.34		mg/kg	20	2.45	104	80 - 120		
Matrix Spike	Lead	24.17		mg/kg	20	3.37	104	80 - 120		
Matrix Spike	Nickel	22.92		mg/kg	20	2.44	102	80 - 120		
Matrix Spike	Selenium	23.82		mg/kg	20	1.64	111	80 - 120		
Matrix Spike	Silver	19.99		mg/kg	20	<0.03	100	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	34.84		mg/kg	20	11.25	118	80 - 120		
AA32284										
Dup	Arsenic	5.09	0.025	mg/kg		5.21			2.33	0 - 15
Matrix Spike	Arsenic	24.94		mg/kg	20	5.21	98.6	80 - 120		
AA32386										
Dup	Arsenic	6.12	0.025	mg/kg		6.20			1.30	0 - 15
Dup	Barium	276.67	0.025	mg/kg		268.05			3.16	0 - 15
Dup	Cadmium	0.11	0.001	mg/kg		0.12			8.70	0 - 15
Dup	Copper	9.70	0.025	mg/kg		9.42			2.93	0 - 15
Dup	Lead	10.84	0.025	mg/kg		11.14			2.73	0 - 15
Dup	Nickel	14.75	0.025	mg/kg		15.00			1.68	0 - 15
Dup	Selenium	1.96	0.025	mg/kg		2.15			9.25	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.17	0.025	mg/kg		37.28			0.296	0 - 15
Matrix Spike	Arsenic	26.59		mg/kg	20	6.20	102	80 - 120		
Matrix Spike	Barium	289.77		mg/kg	20	268.05	109	80 - 120		
Matrix Spike	Cadmium	19.90		mg/kg	20	0.12	98.9	80 - 120		
Matrix Spike	Copper	27.46		mg/kg	20	9.42	90.2	80 - 120		
Matrix Spike	Lead	31.10		mg/kg	20	11.14	99.8	80 - 120		
Matrix Spike	Nickel	34.53		mg/kg	20	15.00	97.6	80 - 120		
Matrix Spike	Selenium	24.70		mg/kg	20	2.15	113	80 - 120		
Matrix Spike	Silver	18.25		mg/kg	20	<0.25	91.2	80 - 120		
Matrix Spike	Zinc	56.85		mg/kg	20	37.28	97.8	80 - 120		
AA32614										
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						
AA32617										
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	0.11		mg/kg			110	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA32618										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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-11893										
AA32283										
Dup	Calcium	0.90		mEq/L	7.49	0.97			7.49	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.77		mEq/L	5.06	0.81			5.06	- 20
Dup	Sodium Adsorption Ratio	0.88		mEq/L	2.25	0.90			2.25	- 20
AA32293										
Dup	Calcium	1.36		mEq/L	12.5	1.20			12.5	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	3.54		mEq/L	7.02	3.30			7.02	- 20
Dup	Sodium Adsorption Ratio	4.11		mEq/L	0.978	4.07			0.978	- 20
AA32570										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA32571										
LCS	Calcium	8.62		ppm			86.2	80 - 120		
LCS	Magnesium	9.01		ppm			90.1	80 - 120		
LCS	Sodium	8.66		ppm			86.6	80 - 120		
LCS	Sodium Adsorption Ratio	0.49		ppm			90.7	80 - 120		
AA32572										
LCS	Calcium	452.58		ppm			90.5	80 - 120		
LCS	Magnesium	454.02		ppm			90.8	80 - 120		
LCS	Sodium	476.57		ppm			95.3	80 - 120		
LCS	Sodium Adsorption Ratio	3.79		ppm			100	80 - 120		
SVOC_SOIL-11866										
AA32391										
Dup	1-methylnaphthalene	0.323	0.010	mg/kg		<0.00313			7.38	- 30
Dup	2-methylnaphthalene	0.332	0.010	mg/kg		<0.010			7.18	- 30
Dup	Acenaphthene	0.315	0.010	mg/kg		Not Detected			16.1	- 30
Dup	Anthracene	0.327	0.010	mg/kg		Not Detected			5.34	- 30
Dup	Benz(a)anthracene	0.299	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Benzo(a)pyrene	0.260	0.010	mg/kg		Not Detected			1.90	- 30
Dup	Benzo(b)fluoranthene	0.229	0.010	mg/kg		Not Detected			1.30	- 30
Dup	Benzo(k)fluoranthene	0.235	0.010	mg/kg		Not Detected			5.38	- 30
Dup	Chrysene	0.287	0.010	mg/kg		Not Detected			3.09	- 30
Dup	Dibenz(a,h)anthracene	0.226	0.010	mg/kg		Not Detected			5.17	- 30
Dup	Fluoranthene	0.331	0.010	mg/kg		Not Detected			5.91	- 30

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Fluorene	0.339	0.010	mg/kg		Not Detected			7.02	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.219	0.010	mg/kg		Not Detected			3.59	- 30
Dup	Naphthalene	0.265	0.010	mg/kg		Not Detected			5.83	- 30
Dup	Pyrene	0.320	0.010	mg/kg		Not Detected			2.85	- 30
Matrix Spike	1-methylnaphthalene	0.300	0.010	mg/kg	0.300	<0.00313	100	70 - 130		
Matrix Spike	2-methylnaphthalene	0.309	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		
Matrix Spike	Benz(a)anthracene	0.299	0.010	mg/kg	0.300	Not Detected	99.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.232	0.010	mg/kg	0.300	Not Detected	77.3	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.248	0.010	mg/kg	0.300	Not Detected	82.7	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Fluoranthene	0.312	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
Matrix Spike	Fluorene	0.316	0.010	mg/kg	0.300	Not Detected	105	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.227	0.010	mg/kg	0.300	Not Detected	75.7	70 - 130		
Matrix Spike	Naphthalene	0.250	0.010	mg/kg	0.300	Not Detected	83.3	70 - 130		
Matrix Spike	Pyrene	0.311	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
AA32467										
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						
AA32468										
LCS	1-methylnaphthalene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	2-methylnaphthalene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Acenaphthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Anthracene	0.309	0.010	mg/kg			103	70 - 130		
LCS	Benz(a)anthracene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Benzo(a)pyrene	0.212	0.010	mg/kg			70.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benzo(k)fluoranthene	0.216	0.010	mg/kg			72.0	70 - 130		
LCS	Chrysene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.210	0.010	mg/kg			70.0	70 - 130		
LCS	Fluoranthene	0.271	0.010	mg/kg			90.3	70 - 130		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Fluorene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Naphthalene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Pyrene	0.277	0.010	mg/kg			92.3	70 - 130		
AA32469										
LCS	1-methylnaphthalene	0.325	0.010	mg/kg			108	70 - 130		
LCS	2-methylnaphthalene	0.320	0.010	mg/kg			107	70 - 130		
LCS	Acenaphthene	0.285	0.010	mg/kg			95.0	70 - 130		
LCS	Anthracene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benz(a)anthracene	0.284	0.010	mg/kg			94.7	70 - 130		
LCS	Benzo(a)pyrene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Chrysene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.226	0.010	mg/kg			75.3	70 - 130		
LCS	Fluoranthene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Fluorene	0.299	0.010	mg/kg			99.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.223	0.010	mg/kg			74.3	70 - 130		
LCS	Naphthalene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
VOC_S-12049										
AA31698										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			7.55	- 30
Dup	1,3,5-trimethylbenzene	0.057	0.0015	mg/kg		<0.0015			7.27	- 30
Dup	Benzene	0.053	0.0015	mg/kg		Not Detected			9.01	- 30
Dup	Ethylbenzene	0.063	0.0014	mg/kg		Not Detected			11.8	- 30
Dup	Gasoline Range Organics	2.67	0.223	mg/kg		Not Detected			1.89	
Dup	m&p- xylene	0.122	0.0029	mg/kg		<0.0029			11.3	- 30
Dup	o-xylene	0.059	0.0014	mg/kg		Not Detected			14.5	- 30
Dup	Toluene	0.056	0.0016	mg/kg		<0.0016			5.22	- 30
Dup	Xylenes, total	0.181	0.0043	mg/kg		<0.0043			12.3	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.053		mg/kg	0.050	<0.0015	106	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	Not Detected	112	70 - 130		
Matrix Spike	Gasoline Range Organics	2.62		mg/kg	2.540	Not Detected	103			
Matrix Spike	m&p- xylene	0.109		mg/kg	0.100	<0.0029	109	70 - 130		
Matrix Spike	o-xylene	0.051		mg/kg	0.050	Not Detected	102	70 - 130		
Matrix Spike	Toluene	0.059		mg/kg	0.050	<0.0016	118	70 - 130		
Matrix Spike	Xylenes, total	0.160		mg/kg	0.150	<0.0043	107	70 - 130		
AA33113										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:44

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	m&p- xylene	Not Detected		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	Not Detected		mg/kg						
AA33114										
LCS	1,2,4-trimethylbenzene	0.039		mg/kg			78.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	Benzene	0.051		mg/kg			102	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	2.58		mg/kg			102			
LCS	m&p- xylene	0.088		mg/kg			88.0	70 - 130		
LCS	Naphthalene	0.041		mg/kg						
LCS	o-xylene	0.041		mg/kg			82.0	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.129		mg/kg			86.0	70 - 130		
AA33115										
LCS	1,2,4-trimethylbenzene	0.058		mg/kg			116	70 - 130		
LCS	1,3,5-trimethylbenzene	0.059		mg/kg			118	70 - 130		
LCS	Benzene	0.056		mg/kg			112	70 - 130		
LCS	Ethylbenzene	0.064		mg/kg			128	70 - 130		
LCS	Gasoline Range Organics	2.05		mg/kg			80.7			
LCS	m&p- xylene	0.123		mg/kg			123	70 - 130		
LCS	Naphthalene	0.062		mg/kg						
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.064		mg/kg			128	70 - 130		
LCS	Xylenes, total	0.181		mg/kg			121	70 - 130		

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FINAL RESULTS REPORT

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

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

Division of Environmental Testing
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October 08, 2025

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Project Manager :	Joel Mason/Todd Mayo
Project Name :	AU 178
Project Number :	CIT-1054

Attached are the analytical results for AU 178 CIT-1054 received by Elevation Diagnostics, Division of Environmental Testing on September 19, 2025. This is associated with Elevation's number AA32298 .

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

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Client: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT-1054-AU 178
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite	Interim report requested: Yes	Interim report requested: No	Notes
1	AU_178_WH_B01@14'	09/15/25	12:30	3			✔			✔		✔		✔	Table 915 Full Suite
2															
3															
4															
5															
6															
7															
8															
9															
10															

AA32298-1

Relinquished By: BZ
Date/Time: 9/19/25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.6°C BA
Corrected Temperature Upon Receipt: 4.0°C
Thermometer #: EDXEQ350
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

2025-09-19-028 BA
Lot/EQM Number:

Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA32298-1	AU_178_WH_B01@14'	**Collected :** 09/15/2025 12:30					
EC & pH soil by saturated paste - EC, soil		09/23/2025 15:42		0.85	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/23/2025 15:42		19.60	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/23/2025 15:42		8.75	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/24/2025 07:05	10.00	0.78	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/24/2025 07:05	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/24/2025 07:05	10.00	5.67	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/24/2025 07:05	10.00	8.55	No Unit		EPA 6020B
AA32298-2	AU_178_WH_B01@14'	**Collected :** 09/15/2025 12:30					
Chromium VI, Soil		09/26/2025 10:42		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/24/2025 11:08		0.68	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/29/2025 13:05	10.00	4.28	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/29/2025 13:05	10.00	225.38	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/29/2025 13:05	10.00	0.16	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/29/2025 13:05	10.00	11.07	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/29/2025 13:05	10.00	8.58	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/29/2025 13:05	10.00	9.95	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/29/2025 13:05	10.00	2.10	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/29/2025 13:05	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/29/2025 13:05	10.00	34.05	mg/kg	0.025	EPA 6020B
AA32298-3	AU_178_WH_B01@14'	**Collected :** 09/15/2025 12:30					
DRO & ORO, Soil - DRO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/06/2025 00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/06/2025 00:00		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		10/06/2025 00:00		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		10/06/2025 00:00		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		10/06/2025 00:00		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		10/06/2025 00:00		<0.0029	mg/kg	0.0029	EPA 8260

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - o-xylene		10/06/2025	00:00		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		10/06/2025	00:00		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		10/06/2025	00:00		<0.0043	mg/kg	0.0043	EPA 8260

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-11873										
DUP	AA30565	0.23	0.050	mg/kg					8.3	-15 - 15
DUP	AA32194	0.40	0.050	mg/kg					2.5	-15 - 15
DUP	AA32300	0.27	0.050	mg/kg					10.5	-15 - 15
DUP	AA32412	0.19	0.050	mg/kg					10.0	-15 - 15
DUP	AA32457	0.69	0.050	mg/kg					7.0	-15 - 15
MB	AA32488	0.00		mg/kg						
LCS	AA32489	1.18		mg/kg	1.00		118	80 - 120		
LCS	AA32490	10.70		mg/kg	9.00		119	80 - 120		
CHROM_VI_SOIL-11879										
DUP	AA32245	<0.08	0.080	mg/kg						
MB	AA32539	0.02		mg/kg						
LCS	AA32541	1.61		mg/kg	1.56		103	80 - 120		
LCS	AA32542	1.62		mg/kg	1.57		103	80 - 120		

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-11804										
AA32271										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA32272										
LCS	DRO	277.47		mg/kg			79.3	70 - 130		
LCS	ORO	287.99		mg/kg			82.3	50 - 150		
AA32273										
LCS	DRO	292.25		mg/kg			83.5	70 - 130		
LCS	ORO	297.26		mg/kg			84.9	50 - 150		
AA32274										
Dup	DRO	297.79				Not Detected			4.18	- 30
Dup	ORO	315.33				Not Detected			7.04	- 50
Matrix Spike	DRO	285.61		mg/kg	350	Not Detected	81.6	70 - 130		
Matrix Spike	ORO	293.88		mg/kg	350	Not Detected	84.0	50 - 150		
EC_PH-11869										
AA32293										
Dup	EC, soil	0.53	0.0005	mmhos/cm		0.54			1.87	- 5
Dup	pH soil Temperature	19.50		°C		19.50				
Dup	pH, soil	8.70	0.01	SU		8.61			1.04	- 5
AA32480										
LCS	EC, soil	9.41	0.0005	mmhos/cm			94.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA32481										
LCS	EC, soil	9.15	0.0005	mmhos/cm			91.5	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-11916										
AA31607										
Dup	Arsenic	2.78	0.025	mg/kg		2.81			1.07	0 - 15
Dup	Barium	26.82	0.025	mg/kg		29.79			10.5	0 - 15
Dup	Cadmium	0.04	0.001	mg/kg		0.04			<%MDL%	0 - 15
Dup	Copper	2.34	0.025	mg/kg		2.45			4.59	0 - 15
Dup	Lead	2.92	0.025	mg/kg		3.37			14.3	0 - 15
Dup	Nickel	2.39	0.025	mg/kg		2.44			2.07	0 - 15
Dup	Selenium	1.59	0.025	mg/kg		1.64			3.10	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	11.52	0.025	mg/kg		11.25			2.37	0 - 15
Matrix Spike	Arsenic	23.39		mg/kg	20	2.81	103	80 - 120		
Matrix Spike	Barium	48.08		mg/kg	20	29.79	91.4	80 - 120		
Matrix Spike	Cadmium	20.75		mg/kg	20	0.04	104	80 - 120		
Matrix Spike	Copper	23.34		mg/kg	20	2.45	104	80 - 120		
Matrix Spike	Lead	24.17		mg/kg	20	3.37	104	80 - 120		
Matrix Spike	Nickel	22.92		mg/kg	20	2.44	102	80 - 120		
Matrix Spike	Selenium	23.82		mg/kg	20	1.64	111	80 - 120		
Matrix Spike	Silver	19.99		mg/kg	20	<0.03	100	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	34.84		mg/kg	20	11.25	118	80 - 120		
AA32284										
Dup	Arsenic	5.09	0.025	mg/kg		5.21			2.33	0 - 15
Matrix Spike	Arsenic	24.94		mg/kg	20	5.21	98.6	80 - 120		
AA32386										
Dup	Arsenic	6.12	0.025	mg/kg		6.20			1.30	0 - 15
Dup	Barium	276.67	0.025	mg/kg		268.05			3.16	0 - 15
Dup	Cadmium	0.11	0.001	mg/kg		0.12			8.70	0 - 15
Dup	Copper	9.70	0.025	mg/kg		9.42			2.93	0 - 15
Dup	Lead	10.84	0.025	mg/kg		11.14			2.73	0 - 15
Dup	Nickel	14.75	0.025	mg/kg		15.00			1.68	0 - 15
Dup	Selenium	1.96	0.025	mg/kg		2.15			9.25	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.17	0.025	mg/kg		37.28			0.296	0 - 15
Matrix Spike	Arsenic	26.59		mg/kg	20	6.20	102	80 - 120		
Matrix Spike	Barium	289.77		mg/kg	20	268.05	109	80 - 120		
Matrix Spike	Cadmium	19.90		mg/kg	20	0.12	98.9	80 - 120		
Matrix Spike	Copper	27.46		mg/kg	20	9.42	90.2	80 - 120		
Matrix Spike	Lead	31.10		mg/kg	20	11.14	99.8	80 - 120		
Matrix Spike	Nickel	34.53		mg/kg	20	15.00	97.6	80 - 120		
Matrix Spike	Selenium	24.70		mg/kg	20	2.15	113	80 - 120		
Matrix Spike	Silver	18.25		mg/kg	20	<0.25	91.2	80 - 120		
Matrix Spike	Zinc	56.85		mg/kg	20	37.28	97.8	80 - 120		
AA32614										
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						
AA32617										
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	0.11		mg/kg			110	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA32618										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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-11893										
AA32283										
Dup	Calcium	0.90		mEq/L	7.49	0.97			7.49	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.77		mEq/L	5.06	0.81			5.06	- 20
Dup	Sodium Adsorption Ratio	0.88		mEq/L	2.25	0.90			2.25	- 20
AA32293										
Dup	Calcium	1.36		mEq/L	12.5	1.20			12.5	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	3.54		mEq/L	7.02	3.30			7.02	- 20
Dup	Sodium Adsorption Ratio	4.11		mEq/L	0.978	4.07			0.978	- 20
AA32570										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA32571										
LCS	Calcium	8.62		ppm			86.2	80 - 120		
LCS	Magnesium	9.01		ppm			90.1	80 - 120		
LCS	Sodium	8.66		ppm			86.6	80 - 120		
LCS	Sodium Adsorption Ratio	0.49		ppm			90.7	80 - 120		
AA32572										
LCS	Calcium	452.58		ppm			90.5	80 - 120		
LCS	Magnesium	454.02		ppm			90.8	80 - 120		
LCS	Sodium	476.57		ppm			95.3	80 - 120		
LCS	Sodium Adsorption Ratio	3.79		ppm			100	80 - 120		
SVOC_SOIL-11866										
AA32391										
Dup	1-methylnaphthalene	0.323	0.010	mg/kg		<0.00313			7.38	- 30
Dup	2-methylnaphthalene	0.332	0.010	mg/kg		<0.010			7.18	- 30
Dup	Acenaphthene	0.315	0.010	mg/kg		Not Detected			16.1	- 30
Dup	Anthracene	0.327	0.010	mg/kg		Not Detected			5.34	- 30
Dup	Benz(a)anthracene	0.299	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Benzo(a)pyrene	0.260	0.010	mg/kg		Not Detected			1.90	- 30
Dup	Benzo(b)fluoranthene	0.229	0.010	mg/kg		Not Detected			1.30	- 30
Dup	Benzo(k)fluoranthene	0.235	0.010	mg/kg		Not Detected			5.38	- 30
Dup	Chrysene	0.287	0.010	mg/kg		Not Detected			3.09	- 30
Dup	Dibenz(a,h)anthracene	0.226	0.010	mg/kg		Not Detected			5.17	- 30
Dup	Fluoranthene	0.331	0.010	mg/kg		Not Detected			5.91	- 30

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Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Fluorene	0.339	0.010	mg/kg		Not Detected			7.02	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.219	0.010	mg/kg		Not Detected			3.59	- 30
Dup	Naphthalene	0.265	0.010	mg/kg		Not Detected			5.83	- 30
Dup	Pyrene	0.320	0.010	mg/kg		Not Detected			2.85	- 30
Matrix Spike	1-methylnaphthalene	0.300	0.010	mg/kg	0.300	<0.00313	100	70 - 130		
Matrix Spike	2-methylnaphthalene	0.309	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		
Matrix Spike	Benz(a)anthracene	0.299	0.010	mg/kg	0.300	Not Detected	99.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.232	0.010	mg/kg	0.300	Not Detected	77.3	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.248	0.010	mg/kg	0.300	Not Detected	82.7	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Fluoranthene	0.312	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
Matrix Spike	Fluorene	0.316	0.010	mg/kg	0.300	Not Detected	105	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.227	0.010	mg/kg	0.300	Not Detected	75.7	70 - 130		
Matrix Spike	Naphthalene	0.250	0.010	mg/kg	0.300	Not Detected	83.3	70 - 130		
Matrix Spike	Pyrene	0.311	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
AA32467										
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						
AA32468										
LCS	1-methylnaphthalene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	2-methylnaphthalene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Acenaphthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Anthracene	0.309	0.010	mg/kg			103	70 - 130		
LCS	Benz(a)anthracene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Benzo(a)pyrene	0.212	0.010	mg/kg			70.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benzo(k)fluoranthene	0.216	0.010	mg/kg			72.0	70 - 130		
LCS	Chrysene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.210	0.010	mg/kg			70.0	70 - 130		
LCS	Fluoranthene	0.271	0.010	mg/kg			90.3	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Fluorene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Naphthalene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Pyrene	0.277	0.010	mg/kg			92.3	70 - 130		
AA32469										
LCS	1-methylnaphthalene	0.325	0.010	mg/kg			108	70 - 130		
LCS	2-methylnaphthalene	0.320	0.010	mg/kg			107	70 - 130		
LCS	Acenaphthene	0.285	0.010	mg/kg			95.0	70 - 130		
LCS	Anthracene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benz(a)anthracene	0.284	0.010	mg/kg			94.7	70 - 130		
LCS	Benzo(a)pyrene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Chrysene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.226	0.010	mg/kg			75.3	70 - 130		
LCS	Fluoranthene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Fluorene	0.299	0.010	mg/kg			99.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.223	0.010	mg/kg			74.3	70 - 130		
LCS	Naphthalene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
VOC_S-12049										
AA31698										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			7.55	- 30
Dup	1,3,5-trimethylbenzene	0.057	0.0015	mg/kg		<0.0015			7.27	- 30
Dup	Benzene	0.053	0.0015	mg/kg		Not Detected			9.01	- 30
Dup	Ethylbenzene	0.063	0.0014	mg/kg		Not Detected			11.8	- 30
Dup	Gasoline Range Organics	2.67	0.223	mg/kg		Not Detected			1.89	
Dup	m&p- xylene	0.122	0.0029	mg/kg		<0.0029			11.3	- 30
Dup	o-xylene	0.059	0.0014	mg/kg		Not Detected			14.5	- 30
Dup	Toluene	0.056	0.0016	mg/kg		<0.0016			5.22	- 30
Dup	Xylenes, total	0.181	0.0043	mg/kg		<0.0043			12.3	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.053		mg/kg	0.050	<0.0015	106	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	Not Detected	112	70 - 130		
Matrix Spike	Gasoline Range Organics	2.62		mg/kg	2.540	Not Detected	103			
Matrix Spike	m&p- xylene	0.109		mg/kg	0.100	<0.0029	109	70 - 130		
Matrix Spike	o-xylene	0.051		mg/kg	0.050	Not Detected	102	70 - 130		
Matrix Spike	Toluene	0.059		mg/kg	0.050	<0.0016	118	70 - 130		
Matrix Spike	Xylenes, total	0.160		mg/kg	0.150	<0.0043	107	70 - 130		
AA33113										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	m&p- xylene	Not Detected		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	Not Detected		mg/kg						
AA33114										
LCS	1,2,4-trimethylbenzene	0.039		mg/kg			78.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	Benzene	0.051		mg/kg			102	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	2.58		mg/kg			102			
LCS	m&p- xylene	0.088		mg/kg			88.0	70 - 130		
LCS	Naphthalene	0.041		mg/kg						
LCS	o-xylene	0.041		mg/kg			82.0	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.129		mg/kg			86.0	70 - 130		
AA33115										
LCS	1,2,4-trimethylbenzene	0.058		mg/kg			116	70 - 130		
LCS	1,3,5-trimethylbenzene	0.059		mg/kg			118	70 - 130		
LCS	Benzene	0.056		mg/kg			112	70 - 130		
LCS	Ethylbenzene	0.064		mg/kg			128	70 - 130		
LCS	Gasoline Range Organics	2.05		mg/kg			80.7			
LCS	m&p- xylene	0.123		mg/kg			123	70 - 130		
LCS	Naphthalene	0.062		mg/kg						
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.064		mg/kg			128	70 - 130		
LCS	Xylenes, total	0.181		mg/kg			121	70 - 130		

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:45

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

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

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

October 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	AU 178
Project Number :	CIT-1054

Attached are the analytical results for AU 178 CIT-1054 received by Elevation Diagnostics, Division of Environmental Testing on September 19, 2025. This is associated with Elevation's number AA32299 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT-1054-AU 178
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

					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	Full Suite								☐ Yes ☑ No
																				Notes
1	AU_178_WH_TBRISER@4'	09/15/25	12:45	3			✔			✔		✔								Table 915 Full Suite
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

AA32299-1

Relinquished By: BL
Date/Time: 9/19/25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.6°C SA
Corrected Temperature Upon Receipt: 4.0°C
Thermometer #: EDXEQ350
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

2025-09-19-029 SA

Lot/EQM Number:

Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA32299-1	AU_178_WH_TBRISER@4'	**Collected :** 09/15/2025 12:45					
EC & pH soil by saturated paste - EC, soil		09/23/2025 15:42		0.40	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		09/23/2025 15:42		19.70	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		09/23/2025 15:42		8.27	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		09/24/2025 07:05	10.00	1.79	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		09/24/2025 07:05	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		09/24/2025 07:05	10.00	0.70	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		09/24/2025 07:05	10.00	0.65	No Unit		EPA 6020B
AA32299-2	AU_178_WH_TBRISER@4'	**Collected :** 09/15/2025 12:45					
Chromium VI, Soil		09/26/2025 10:42		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		09/24/2025 11:08		0.19	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		09/29/2025 13:05	10.00	4.25	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		09/29/2025 13:05	10.00	386.60	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		09/29/2025 13:05	10.00	0.16	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		09/29/2025 13:05	10.00	10.44	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		09/29/2025 13:05	10.00	8.35	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		09/29/2025 13:05	10.00	9.49	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		09/29/2025 13:05	10.00	2.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		09/29/2025 13:05	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		09/29/2025 13:05	10.00	32.52	mg/kg	0.025	EPA 6020B
AA32299-3	AU_178_WH_TBRISER@4'	**Collected :** 09/15/2025 12:45					
DRO & ORO, Soil - DRO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		09/23/2025 11:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		09/25/2025 12:35		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		09/25/2025 12:35		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/06/2025 00:00		0.0090	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/06/2025 00:00		0.0085	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		10/06/2025 00:00		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		10/06/2025 00:00		0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		10/06/2025 00:00		0.809	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		10/06/2025 00:00		0.054	mg/kg	0.0029	EPA 8260

Division of Environmental Testing
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Aurora, CO 80045
800-440-5184

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - o-xylene		10/06/2025	00:00		0.0046	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		10/06/2025	00:00		0.0072	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		10/06/2025	00:00		0.059	mg/kg	0.0043	EPA 8260

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-11873										
DUP	AA30565	0.23	0.050	mg/kg					8.3	-15 - 15
DUP	AA32194	0.40	0.050	mg/kg					2.5	-15 - 15
DUP	AA32300	0.27	0.050	mg/kg					10.5	-15 - 15
DUP	AA32412	0.19	0.050	mg/kg					10.0	-15 - 15
DUP	AA32457	0.69	0.050	mg/kg					7.0	-15 - 15
MB	AA32488	0.00		mg/kg						
LCS	AA32489	1.18		mg/kg	1.00		118	80 - 120		
LCS	AA32490	10.70		mg/kg	9.00		119	80 - 120		
CHROM_VI_SOIL-11879										
DUP	AA32245	<0.08	0.080	mg/kg						
MB	AA32539	0.02		mg/kg						
LCS	AA32541	1.61		mg/kg	1.56		103	80 - 120		
LCS	AA32542	1.62		mg/kg	1.57		103	80 - 120		

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Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-11804										
AA32271										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA32272										
LCS	DRO	277.47		mg/kg			79.3	70 - 130		
LCS	ORO	287.99		mg/kg			82.3	50 - 150		
AA32273										
LCS	DRO	292.25		mg/kg			83.5	70 - 130		
LCS	ORO	297.26		mg/kg			84.9	50 - 150		
AA32274										
Dup	DRO	297.79				Not Detected			4.18	- 30
Dup	ORO	315.33				Not Detected			7.04	- 50
Matrix Spike	DRO	285.61		mg/kg	350	Not Detected	81.6	70 - 130		
Matrix Spike	ORO	293.88		mg/kg	350	Not Detected	84.0	50 - 150		
EC_PH-11869										
AA32293										
Dup	EC, soil	0.53	0.0005	mmhos/cm		0.54			1.87	- 5
Dup	pH soil Temperature	19.50		°C		19.50				
Dup	pH, soil	8.70	0.01	SU		8.61			1.04	- 5
AA32480										
LCS	EC, soil	9.41	0.0005	mmhos/cm			94.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA32481										
LCS	EC, soil	9.15	0.0005	mmhos/cm			91.5	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-11916										
AA31607										
Dup	Arsenic	2.78	0.025	mg/kg		2.81			1.07	0 - 15
Dup	Barium	26.82	0.025	mg/kg		29.79			10.5	0 - 15
Dup	Cadmium	0.04	0.001	mg/kg		0.04			<%MDL%	0 - 15
Dup	Copper	2.34	0.025	mg/kg		2.45			4.59	0 - 15
Dup	Lead	2.92	0.025	mg/kg		3.37			14.3	0 - 15
Dup	Nickel	2.39	0.025	mg/kg		2.44			2.07	0 - 15
Dup	Selenium	1.59	0.025	mg/kg		1.64			3.10	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	11.52	0.025	mg/kg		11.25			2.37	0 - 15
Matrix Spike	Arsenic	23.39		mg/kg	20	2.81	103	80 - 120		
Matrix Spike	Barium	48.08		mg/kg	20	29.79	91.4	80 - 120		
Matrix Spike	Cadmium	20.75		mg/kg	20	0.04	104	80 - 120		
Matrix Spike	Copper	23.34		mg/kg	20	2.45	104	80 - 120		
Matrix Spike	Lead	24.17		mg/kg	20	3.37	104	80 - 120		
Matrix Spike	Nickel	22.92		mg/kg	20	2.44	102	80 - 120		
Matrix Spike	Selenium	23.82		mg/kg	20	1.64	111	80 - 120		
Matrix Spike	Silver	19.99		mg/kg	20	<0.03	100	80 - 120		

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FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	34.84		mg/kg	20	11.25	118	80 - 120		
AA32284										
Dup	Arsenic	5.09	0.025	mg/kg		5.21			2.33	0 - 15
Matrix Spike	Arsenic	24.94		mg/kg	20	5.21	98.6	80 - 120		
AA32386										
Dup	Arsenic	6.12	0.025	mg/kg		6.20			1.30	0 - 15
Dup	Barium	276.67	0.025	mg/kg		268.05			3.16	0 - 15
Dup	Cadmium	0.11	0.001	mg/kg		0.12			8.70	0 - 15
Dup	Copper	9.70	0.025	mg/kg		9.42			2.93	0 - 15
Dup	Lead	10.84	0.025	mg/kg		11.14			2.73	0 - 15
Dup	Nickel	14.75	0.025	mg/kg		15.00			1.68	0 - 15
Dup	Selenium	1.96	0.025	mg/kg		2.15			9.25	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.17	0.025	mg/kg		37.28			0.296	0 - 15
Matrix Spike	Arsenic	26.59		mg/kg	20	6.20	102	80 - 120		
Matrix Spike	Barium	289.77		mg/kg	20	268.05	109	80 - 120		
Matrix Spike	Cadmium	19.90		mg/kg	20	0.12	98.9	80 - 120		
Matrix Spike	Copper	27.46		mg/kg	20	9.42	90.2	80 - 120		
Matrix Spike	Lead	31.10		mg/kg	20	11.14	99.8	80 - 120		
Matrix Spike	Nickel	34.53		mg/kg	20	15.00	97.6	80 - 120		
Matrix Spike	Selenium	24.70		mg/kg	20	2.15	113	80 - 120		
Matrix Spike	Silver	18.25		mg/kg	20	<0.25	91.2	80 - 120		
Matrix Spike	Zinc	56.85		mg/kg	20	37.28	97.8	80 - 120		
AA32614										
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						
AA32617										
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	0.11		mg/kg			110	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA32618										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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-11893										
AA32283										
Dup	Calcium	0.90		mEq/L	7.49	0.97			7.49	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.77		mEq/L	5.06	0.81			5.06	- 20
Dup	Sodium Adsorption Ratio	0.88		mEq/L	2.25	0.90			2.25	- 20
AA32293										
Dup	Calcium	1.36		mEq/L	12.5	1.20			12.5	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	3.54		mEq/L	7.02	3.30			7.02	- 20
Dup	Sodium Adsorption Ratio	4.11		mEq/L	0.978	4.07			0.978	- 20
AA32570										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA32571										
LCS	Calcium	8.62		ppm			86.2	80 - 120		
LCS	Magnesium	9.01		ppm			90.1	80 - 120		
LCS	Sodium	8.66		ppm			86.6	80 - 120		
LCS	Sodium Adsorption Ratio	0.49		ppm			90.7	80 - 120		
AA32572										
LCS	Calcium	452.58		ppm			90.5	80 - 120		
LCS	Magnesium	454.02		ppm			90.8	80 - 120		
LCS	Sodium	476.57		ppm			95.3	80 - 120		
LCS	Sodium Adsorption Ratio	3.79		ppm			100	80 - 120		
SVOC_SOIL-11866										
AA32391										
Dup	1-methylnaphthalene	0.323	0.010	mg/kg		<0.00313			7.38	- 30
Dup	2-methylnaphthalene	0.332	0.010	mg/kg		<0.010			7.18	- 30
Dup	Acenaphthene	0.315	0.010	mg/kg		Not Detected			16.1	- 30
Dup	Anthracene	0.327	0.010	mg/kg		Not Detected			5.34	- 30
Dup	Benz(a)anthracene	0.299	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Benzo(a)pyrene	0.260	0.010	mg/kg		Not Detected			1.90	- 30
Dup	Benzo(b)fluoranthene	0.229	0.010	mg/kg		Not Detected			1.30	- 30
Dup	Benzo(k)fluoranthene	0.235	0.010	mg/kg		Not Detected			5.38	- 30
Dup	Chrysene	0.287	0.010	mg/kg		Not Detected			3.09	- 30
Dup	Dibenz(a,h)anthracene	0.226	0.010	mg/kg		Not Detected			5.17	- 30
Dup	Fluoranthene	0.331	0.010	mg/kg		Not Detected			5.91	- 30

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Fluorene	0.339	0.010	mg/kg		Not Detected			7.02	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.219	0.010	mg/kg		Not Detected			3.59	- 30
Dup	Naphthalene	0.265	0.010	mg/kg		Not Detected			5.83	- 30
Dup	Pyrene	0.320	0.010	mg/kg		Not Detected			2.85	- 30
Matrix Spike	1-methylnaphthalene	0.300	0.010	mg/kg	0.300	<0.00313	100	70 - 130		
Matrix Spike	2-methylnaphthalene	0.309	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		
Matrix Spike	Benz(a)anthracene	0.299	0.010	mg/kg	0.300	Not Detected	99.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.232	0.010	mg/kg	0.300	Not Detected	77.3	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.248	0.010	mg/kg	0.300	Not Detected	82.7	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Fluoranthene	0.312	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
Matrix Spike	Fluorene	0.316	0.010	mg/kg	0.300	Not Detected	105	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.227	0.010	mg/kg	0.300	Not Detected	75.7	70 - 130		
Matrix Spike	Naphthalene	0.250	0.010	mg/kg	0.300	Not Detected	83.3	70 - 130		
Matrix Spike	Pyrene	0.311	0.010	mg/kg	0.300	Not Detected	104	70 - 130		
AA32467										
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						
AA32468										
LCS	1-methylnaphthalene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	2-methylnaphthalene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Acenaphthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Anthracene	0.309	0.010	mg/kg			103	70 - 130		
LCS	Benz(a)anthracene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Benzo(a)pyrene	0.212	0.010	mg/kg			70.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benzo(k)fluoranthene	0.216	0.010	mg/kg			72.0	70 - 130		
LCS	Chrysene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.210	0.010	mg/kg			70.0	70 - 130		
LCS	Fluoranthene	0.271	0.010	mg/kg			90.3	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Fluorene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Naphthalene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Pyrene	0.277	0.010	mg/kg			92.3	70 - 130		
AA32469										
LCS	1-methylnaphthalene	0.325	0.010	mg/kg			108	70 - 130		
LCS	2-methylnaphthalene	0.320	0.010	mg/kg			107	70 - 130		
LCS	Acenaphthene	0.285	0.010	mg/kg			95.0	70 - 130		
LCS	Anthracene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benz(a)anthracene	0.284	0.010	mg/kg			94.7	70 - 130		
LCS	Benzo(a)pyrene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Chrysene	0.281	0.010	mg/kg			93.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.226	0.010	mg/kg			75.3	70 - 130		
LCS	Fluoranthene	0.290	0.010	mg/kg			96.7	70 - 130		
LCS	Fluorene	0.299	0.010	mg/kg			99.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.223	0.010	mg/kg			74.3	70 - 130		
LCS	Naphthalene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
VOC_S-12049										
AA31698										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			7.55	- 30
Dup	1,3,5-trimethylbenzene	0.057	0.0015	mg/kg		<0.0015			7.27	- 30
Dup	Benzene	0.053	0.0015	mg/kg		Not Detected			9.01	- 30
Dup	Ethylbenzene	0.063	0.0014	mg/kg		Not Detected			11.8	- 30
Dup	Gasoline Range Organics	2.67	0.223	mg/kg		Not Detected			1.89	
Dup	m&p- xylene	0.122	0.0029	mg/kg		<0.0029			11.3	- 30
Dup	o-xylene	0.059	0.0014	mg/kg		Not Detected			14.5	- 30
Dup	Toluene	0.056	0.0016	mg/kg		<0.0016			5.22	- 30
Dup	Xylenes, total	0.181	0.0043	mg/kg		<0.0043			12.3	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.053		mg/kg	0.050	<0.0015	106	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	Not Detected	112	70 - 130		
Matrix Spike	Gasoline Range Organics	2.62		mg/kg	2.540	Not Detected	103			
Matrix Spike	m&p- xylene	0.109		mg/kg	0.100	<0.0029	109	70 - 130		
Matrix Spike	o-xylene	0.051		mg/kg	0.050	Not Detected	102	70 - 130		
Matrix Spike	Toluene	0.059		mg/kg	0.050	<0.0016	118	70 - 130		
Matrix Spike	Xylenes, total	0.160		mg/kg	0.150	<0.0043	107	70 - 130		
AA33113										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						

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

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	m&p- xylene	Not Detected		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	Not Detected		mg/kg						
AA33114										
LCS	1,2,4-trimethylbenzene	0.039		mg/kg			78.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	Benzene	0.051		mg/kg			102	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	2.58		mg/kg			102			
LCS	m&p- xylene	0.088		mg/kg			88.0	70 - 130		
LCS	Naphthalene	0.041		mg/kg						
LCS	o-xylene	0.041		mg/kg			82.0	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.129		mg/kg			86.0	70 - 130		
AA33115										
LCS	1,2,4-trimethylbenzene	0.058		mg/kg			116	70 - 130		
LCS	1,3,5-trimethylbenzene	0.059		mg/kg			118	70 - 130		
LCS	Benzene	0.056		mg/kg			112	70 - 130		
LCS	Ethylbenzene	0.064		mg/kg			128	70 - 130		
LCS	Gasoline Range Organics	2.05		mg/kg			80.7			
LCS	m&p- xylene	0.123		mg/kg			123	70 - 130		
LCS	Naphthalene	0.062		mg/kg						
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.064		mg/kg			128	70 - 130		
LCS	Xylenes, total	0.181		mg/kg			121	70 - 130		

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 10/8/2025
Report Time : 9:46

Project Manager: Joel Mason/Todd Mayo **Project Name:** AU 178 **Project Number:** CIT-1054

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

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

October 31, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35109 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	HNO_3	None	Other	Matrix: Water	Soil	Other	Analysis Requested: Full Suite	Interim report requested: Yes	No
1	AU_178_WHB_W@5'	10/23/25	8:10	3			✔			✔		✔		
2														
3														
4														
5														
6														
7														
8														
9														
10														

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35109-1

Relinquished By: [signature]
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3 °C
Corrected Temperature Upon Receipt: 2 °C
Thermometer #: EDX EQ 351
Correction Factor: -0.3 °C
AN

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: 2025-10-24-010-1 AS
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 10/31/2025
Report Time : 16:19

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35109-1	AU_178_WHB_W@5'	**Collected :**	10/23/2025 08:10					
EC & pH soil by saturated paste - EC, soil		10/28/2025	14:14		0.84	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		10/28/2025	14:14		19.20	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		10/28/2025	14:14		8.44	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		10/31/2025	11:22	10.00	0.78	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		10/31/2025	11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		10/31/2025	11:22	10.00	5.89	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		10/31/2025	11:22	10.00	8.56	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 : 10/31/2025
Report Time : 16:19

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35110 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite
1	AU_178_WH_B01@20'	10/23/25	9:10	3			✔			✔		✔
2												
3												
4												
5												
6												
7												
8												
9												
10												

Interim report requested: ☐ Yes ☑ No

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35110-1

Relinquished By:
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No 2025-10-24-011-1 AS
pH Checked: Yes (No) Lot/EQM Number:
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35110-1	AU_178_WH_B01@20'	**Collected :** 10/23/2025	09:10				
EC & pH soil by saturated paste - EC, soil	10/28/2025	14:14		1.26	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	10/28/2025	14:14		19.30	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	10/28/2025	14:14		8.20	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	10/31/2025	11:22	10.00	3.30	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	10/31/2025	11:22	10.00	0.89	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	10/31/2025	11:22	10.00	6.95	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	10/31/2025	11:22	10.00	4.80	No Unit		EPA 6020B
AA35110-2	AU_178_WH_B01@20'	**Collected :** 10/23/2025	09:10				
DRO & ORO, Soil - DRO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/05/2025	12:23		Not Detected - D1	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/05/2025	12:23		<0.010 - D1	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/05/2025	12:23		Not Detected - D1	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/05/2025	12:23		Not Detected - D1	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/05/2025	12:23		Not Detected - D1	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/04/2025	15:17		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/04/2025	15:17		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/04/2025	15:17		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/04/2025	15:17		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/04/2025	15:17		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/04/2025	15:17		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/04/2025	15:17		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/04/2025	15:17		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/04/2025	15:17		<0.0043	mg/kg	0.0043	EPA 8260
AA35110-3	AU_178_WH_B01@20'	**Collected :** 10/23/2025	09:10				
Chromium VI, Soil	11/05/2025	17:35		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/10/2025	06:46		0.62	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/06/2025	09:19	10.00	4.64	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/06/2025	09:19	10.00	176.30	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/06/2025	09:19	10.00	0.21	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/06/2025	09:19	10.00	10.21	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/06/2025	09:19	10.00	8.53	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/06/2025	09:19	10.00	9.68	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/06/2025	09:19	10.00	2.96	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19	10.00	37.18	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12923										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
CHROM_VI_SOIL-12837										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-12854										
AA35111										
Dup	DRO	345.04				Not Detected			7.78	- 30
Dup	ORO	486.28				Not Detected			8.80	- 50
Matrix Spike	DRO	319.19		mg/kg	350	Not Detected	91.2	70 - 130		
Matrix Spike	ORO	445.29		mg/kg	350	Not Detected	127	50 - 150		
AA35939										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA35940										
LCS	DRO	315.87		mg/kg			90.2	70 - 130		
LCS	ORO	435.70		mg/kg			124	50 - 150		
AA35941										
LCS	DRO	287.86		mg/kg			82.2	70 - 130		
LCS	ORO	462.00		mg/kg			132	50 - 150		
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
METALS_S-12870										
AA35110										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
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Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
AA35932										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
AA36027										
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						
AA36029										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA36030										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		
SVOC_SOIL-12826										
AA35110										
Dup	1-methylnaphthalene	0.223	0.00313	mg/kg		Not Detected			37.8	- 30
Dup	2-methylnaphthalene	0.205	0.010	mg/kg		<0.010			40.2	- 30
Dup	Acenaphthene	0.201	0.010	mg/kg		Not Detected			35.2	- 30
Dup	Anthracene	0.268	0.010	mg/kg		Not Detected			14.5	- 30
Dup	Benz(a)anthracene	0.309	0.010	mg/kg		Not Detected			1.63	- 30
Dup	Benzo(a)pyrene	0.290	0.010	mg/kg		Not Detected			12.6	- 30
Dup	Benzo(b)fluoranthene	0.264	0.010	mg/kg		Not Detected			3.35	- 30
Dup	Benzo(k)fluoranthene	0.241	0.010	mg/kg		Not Detected			4.46	- 30
Dup	Chrysene	0.290	0.010	mg/kg		Not Detected			2.05	- 30
Dup	Dibenz(a,h)anthracene	0.327	0.010	mg/kg		Not Detected			1.22	- 30
Dup	Fluoranthene	0.326	0.010	mg/kg		Not Detected			3.91	- 30
Dup	Fluorene	0.220	0.010	mg/kg		Not Detected			39.1	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.265	0.010	mg/kg		Not Detected			1.13	- 30
Dup	Naphthalene	0.219	0.00306	mg/kg		Not Detected			30.2	- 30
Dup	Pyrene	0.267	0.010	mg/kg		Not Detected			3.31	- 30
Matrix Spike	1-methylnaphthalene	0.327	0.00313	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	2-methylnaphthalene	0.308	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		

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Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.304	0.010	mg/kg	0.300	Not Detected	101	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.273	0.010	mg/kg	0.300	Not Detected	91.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.252	0.010	mg/kg	0.300	Not Detected	84.0	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.331	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluoranthene	0.339	0.010	mg/kg	0.300	Not Detected	113	70 - 130		
Matrix Spike	Fluorene	0.327	0.010	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Naphthalene	0.297	0.00306	mg/kg	0.300	Not Detected	99.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA35835										
MB	1-methylnaphthalene	Not Detected	0.00313	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA35836										
LCS	1-methylnaphthalene	0.347	0.00313	mg/kg			116	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.323	0.010	mg/kg			108	70 - 130		
LCS	Anthracene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Benz(a)anthracene	0.349	0.010	mg/kg			116	70 - 130		
LCS	Benzo(a)pyrene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Benzo(b)fluoranthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Benzo(k)fluoranthene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Chrysene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Dibenz(a,h)anthracene	0.361	0.010	mg/kg			120	70 - 130		
LCS	Fluoranthene	0.385	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Naphthalene	0.321	0.00306	mg/kg			107	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		
AA35837										
LCS	1-methylnaphthalene	0.220	0.00313	mg/kg			73.3	70 - 130		
LCS	2-methylnaphthalene	0.218	0.010	mg/kg			72.7	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Anthracene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Benz(a)anthracene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Benzo(a)pyrene	0.356	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Chrysene	0.315	0.010	mg/kg			105	70 - 130		
LCS	Dibenz(a,h)anthracene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Fluoranthene	0.374	0.010	mg/kg			125	70 - 130		
LCS	Fluorene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Naphthalene	0.219	0.00306	mg/kg			73.0	70 - 130		
LCS	Pyrene	0.311	0.010	mg/kg			104	70 - 130		
VOC_S-12781										
AA35469										
Dup	1,2,4-trimethylbenzene	0.085	0.0016	mg/kg		<0.0016			15.2	- 30
Dup	1,3,5-trimethylbenzene	0.088	0.0015	mg/kg		Not Detected			14.6	- 30
Dup	Benzene	0.039	0.0015	mg/kg		Not Detected			12.0	- 30
Dup	Ethylbenzene	0.071	0.0014	mg/kg		Not Detected			8.82	- 30
Dup	Gasoline Range Organic$	.24	0.223	mg/kg		Not Detected			0.810	
Dup	m&p- xylene	0.156	0.0029	mg/kg		<0.0029			12.2	- 30
Dup	o-xylene	0.071	0.0014	mg/kg		<0.0014			13.5	- 30
Dup	Toluene	0.058	0.0016	mg/kg		<0.0016			5.31	- 30
Dup	Xylenes, total	0.227	0.0043	mg/kg		<0.0043			12.6	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.073		mg/kg	0.050	<0.0016	146	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.076		mg/kg	0.050	Not Detected	152	70 - 130		
Matrix Spike	Benzene	0.044		mg/kg	0.050	Not Detected	88.0	70 - 130		
Matrix Spike	Ethylbenzene	0.065		mg/kg	0.050	Not Detected	130	70 - 130		
Matrix Spike	Gasoline Range Organic$	.23		mg/kg	2.54	Not Detected	48.4			
Matrix Spike	m&p- xylene	0.138		mg/kg	0.100	<0.0029	138	70 - 130		
Matrix Spike	o-xylene	0.062		mg/kg	0.050	<0.0014	124	70 - 130		
Matrix Spike	Toluene	0.055		mg/kg	0.050	<0.0016	110	70 - 130		
Matrix Spike	Xylenes, total	0.200		mg/kg	0.150	<0.0043	133	70 - 130		
AA35711										
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	Not Detected		mg/kg						
MB	Gasoline Range Organics	0.223		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						
AA35712										
LCS	1,2,4-trimethylbenzene	0.065		mg/kg			130	70 - 130		
LCS	1,3,5-trimethylbenzene	0.065		mg/kg			130	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:01

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Benzene	0.053		mg/kg			106	70 - 130		
LCS	Ethylbenzene	0.063		mg/kg			126	70 - 130		
LCS	Gasoline Range Organics	8.27		mg/kg			89.4			
LCS	m&p- xylene	0.129		mg/kg			129	70 - 130		
LCS	o-xylene	0.059		mg/kg			118	70 - 130		
LCS	Toluene	0.058		mg/kg			116	70 - 130		
LCS	Xylenes, total	0.188		mg/kg			125	70 - 130		
AA35713										
LCS	1,2,4-trimethylbenzene	0.062		mg/kg			124	70 - 130		
LCS	1,3,5-trimethylbenzene	0.063		mg/kg			126	70 - 130		
LCS	Benzene	0.060		mg/kg			120	70 - 130		
LCS	Ethylbenzene	0.063		mg/kg			126	70 - 130		
LCS	Gasoline Range Organics	8.30		mg/kg			130			
LCS	m&p- xylene	0.126		mg/kg			126	70 - 130		
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.062		mg/kg			124	70 - 130		
LCS	Xylenes, total	0.184		mg/kg			123	70 - 130		

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

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35111 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:
1	AU_178_WHB_E@2'	10/23/25	8:40	3			✔			✔		✔							
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35111-1

Relinquished By: D
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C

AN

Samples Intact: (Yes) No 2025-10-24-012-1 AS
pH Checked: Yes (No) Lot/EQM Number:
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35111-1	AU_178_WHB_E@2'	**Collected :** 10/23/2025	08:40				
EC & pH soil by saturated paste - EC, soil	10/28/2025	14:14		0.45	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	10/28/2025	14:14		19.30	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	10/28/2025	14:14		8.11	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	10/31/2025	11:22	10.00	2.50	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	10/31/2025	11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	10/31/2025	11:22	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	10/31/2025	11:22	10.00	0.14	No Unit		EPA 6020B
AA35111-2	AU_178_WHB_E@2'	**Collected :** 10/23/2025	08:40				
DRO & ORO, Soil - DRO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/13/2025	00:00		<0.0016 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/13/2025	00:00		<0.0015 - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/13/2025	00:00		<0.0015 - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/13/2025	00:00		<0.223 - H2	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/13/2025	00:00		<0.0029 - H2	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/13/2025	00:00		<0.0016 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/13/2025	00:00		<0.0043 - H2	mg/kg	0.0043	EPA 8260
AA35111-3	AU_178_WHB_E@2'	**Collected :** 10/23/2025	08:40				
Chromium VI, Soil	11/05/2025	17:35		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/10/2025	06:46		0.13	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/06/2025	09:19	10.00	3.93	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/06/2025	09:19	10.00	181.27	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/06/2025	09:19	10.00	0.14	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/06/2025	09:19	10.00	7.86	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/06/2025	09:19	10.00	7.96	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/06/2025	09:19	10.00	7.61	mg/kg	0.025	EPA 6020B

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/06/2025	09:19	10.00	2.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19	10.00	28.77	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12923										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
CHROM_VI_SOIL-12837										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-12854										
AA35111										
Dup	DRO	345.04				Not Detected			7.78	- 30
Dup	ORO	486.28				Not Detected			8.80	- 50
Matrix Spike	DRO	319.19		mg/kg	350	Not Detected	91.2	70 - 130		
Matrix Spike	ORO	445.29		mg/kg	350	Not Detected	127	50 - 150		
AA35939										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA35940										
LCS	DRO	315.87		mg/kg			90.2	70 - 130		
LCS	ORO	435.70		mg/kg			124	50 - 150		
AA35941										
LCS	DRO	287.86		mg/kg			82.2	70 - 130		
LCS	ORO	462.00		mg/kg			132	50 - 150		
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
METALS_S-12870										
AA35110										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
AA35932										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
AA36027										
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						
AA36029										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA36030										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		
SVOC_SOIL-12826										
AA35110										
Dup	1-methylnaphthalene	0.223	0.00313	mg/kg		Not Detected			37.8	- 30
Dup	2-methylnaphthalene	0.205	0.010	mg/kg		<0.010			40.2	- 30
Dup	Acenaphthene	0.201	0.010	mg/kg		Not Detected			35.2	- 30
Dup	Anthracene	0.268	0.010	mg/kg		Not Detected			14.5	- 30
Dup	Benz(a)anthracene	0.309	0.010	mg/kg		Not Detected			1.63	- 30
Dup	Benzo(a)pyrene	0.290	0.010	mg/kg		Not Detected			12.6	- 30
Dup	Benzo(b)fluoranthene	0.264	0.010	mg/kg		Not Detected			3.35	- 30
Dup	Benzo(k)fluoranthene	0.241	0.010	mg/kg		Not Detected			4.46	- 30
Dup	Chrysene	0.290	0.010	mg/kg		Not Detected			2.05	- 30
Dup	Dibenz(a,h)anthracene	0.327	0.010	mg/kg		Not Detected			1.22	- 30
Dup	Fluoranthene	0.326	0.010	mg/kg		Not Detected			3.91	- 30
Dup	Fluorene	0.220	0.010	mg/kg		Not Detected			39.1	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.265	0.010	mg/kg		Not Detected			1.13	- 30
Dup	Naphthalene	0.219	0.00306	mg/kg		Not Detected			30.2	- 30
Dup	Pyrene	0.267	0.010	mg/kg		Not Detected			3.31	- 30
Matrix Spike	1-methylnaphthalene	0.327	0.00313	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	2-methylnaphthalene	0.308	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.304	0.010	mg/kg	0.300	Not Detected	101	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.273	0.010	mg/kg	0.300	Not Detected	91.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.252	0.010	mg/kg	0.300	Not Detected	84.0	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.331	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluoranthene	0.339	0.010	mg/kg	0.300	Not Detected	113	70 - 130		
Matrix Spike	Fluorene	0.327	0.010	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Naphthalene	0.297	0.00306	mg/kg	0.300	Not Detected	99.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA35835										
MB	1-methylnaphthalene	Not Detected	0.00313	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA35836										
LCS	1-methylnaphthalene	0.347	0.00313	mg/kg			116	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.323	0.010	mg/kg			108	70 - 130		
LCS	Anthracene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Benz(a)anthracene	0.349	0.010	mg/kg			116	70 - 130		
LCS	Benzo(a)pyrene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Benzo(b)fluoranthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Benzo(k)fluoranthene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Chrysene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Dibenz(a,h)anthracene	0.361	0.010	mg/kg			120	70 - 130		
LCS	Fluoranthene	0.385	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Naphthalene	0.321	0.00306	mg/kg			107	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		
AA35837										
LCS	1-methylnaphthalene	0.220	0.00313	mg/kg			73.3	70 - 130		
LCS	2-methylnaphthalene	0.218	0.010	mg/kg			72.7	70 - 130		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Anthracene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Benz(a)anthracene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Benzo(a)pyrene	0.356	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Chrysene	0.315	0.010	mg/kg			105	70 - 130		
LCS	Dibenz(a,h)anthracene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Fluoranthene	0.374	0.010	mg/kg			125	70 - 130		
LCS	Fluorene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Naphthalene	0.219	0.00306	mg/kg			73.0	70 - 130		
LCS	Pyrene	0.311	0.010	mg/kg			104	70 - 130		
VOC_S-12814										
AA35112										
Dup	1,2,4-trimethylbenzene	0.064	0.0016	mg/kg		<0.0016			8.96	- 30
Dup	1,3,5-trimethylbenzene	0.064	0.0015	mg/kg		<0.0015			10.4	- 30
Dup	Benzene	0.088	0.0015	mg/kg		<0.0015			9.73	- 30
Dup	Ethylbenzene	0.066	0.0014	mg/kg		<0.0014			4.44	- 30
Dup	Gasoline Range Organics	2.75	0.223	mg/kg		<0.223			7.02	
Dup	m&p- xylene	0.126	0.0029	mg/kg		<0.0029			10.5	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			8.96	- 30
Dup	Toluene	0.061	0.0016	mg/kg		<0.0016			9.38	- 30
Dup	Xylenes, total	0.190	0.0043	mg/kg		<0.0043			10.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.070		mg/kg	0.050	<0.0016	140	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.071		mg/kg	0.050	<0.0015	142	70 - 130		
Matrix Spike	Benzene	0.097		mg/kg	0.050	<0.0015	194	70 - 130		
Matrix Spike	Ethylbenzene	0.069		mg/kg	0.050	<0.0014	138	70 - 130		
Matrix Spike	Gasoline Range Organics	2.95		mg/kg	2.54	<0.223	116			
Matrix Spike	m&p- xylene	0.140		mg/kg	0.100	<0.0029	140	70 - 130		
Matrix Spike	o-xylene	0.070		mg/kg	0.050	<0.0014	140	70 - 130		
Matrix Spike	Toluene	0.067		mg/kg	0.050	<0.0016	134	70 - 130		
Matrix Spike	Xylenes, total	0.210		mg/kg	0.150	<0.0043	140	70 - 130		
AA35809										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	<0.0015		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	Naphthalene	<0.0012		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA35810										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.054		mg/kg			108	70 - 130		
LCS	1,2-Dichloroethane	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.063		mg/kg			126	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organics	3.24		mg/kg			128			
LCS	m&p- xylene	0.104		mg/kg			104	70 - 130		
LCS	Naphthalene	0.056		mg/kg			112	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		
AA35811										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.060		mg/kg			120	70 - 130		
LCS	1,2-Dichloroethane	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Benzene	0.059		mg/kg			118	70 - 130		
LCS	Ethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Gasoline Range Organics	3.08		mg/kg			121			
LCS	m&p- xylene	0.103		mg/kg			103	70 - 130		
LCS	Naphthalene	0.058		mg/kg			116	70 - 130		
LCS	o-xylene	0.053		mg/kg			106	70 - 130		
LCS	Toluene	0.049		mg/kg			98.0	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:03

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time	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

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35112 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite
1	AU_178_WHB_E@5'	10/23/25	8:50	3			✔			✔		✔
2												
3												
4												
5												
6												
7												
8												
9												
10												

Interim report requested: ☐ Yes ☑ No

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35112-1

Relinquished By: [signature]
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C

AN

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: 2025-10-24-013-1 AS
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A

Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:05

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35112-1	AU_178_WHB_E@5'	**Collected :** 10/23/2025	08:50				
EC & pH soil by saturated paste - EC, soil	10/28/2025	14:14		0.46	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	10/28/2025	14:14		19.20	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	10/28/2025	14:14		8.18	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	10/31/2025	11:22	10.00	2.09	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	10/31/2025	11:22	10.00	0.95	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	10/31/2025	11:22	10.00	<0.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	10/31/2025	11:22	10.00	0.22	No Unit		EPA 6020B
AA35112-2	AU_178_WHB_E@5'	**Collected :** 10/23/2025	08:50				
DRO & ORO, Soil - DRO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/13/2025	00:00		<0.0016 - MS,H2	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/13/2025	00:00		<0.0015 - MS,H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/13/2025	00:00		<0.0015 - MS,H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/13/2025	00:00		<0.0014 - MS,H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/13/2025	00:00		<0.223 - H2	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/13/2025	00:00		<0.0029 - MS,H2	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/13/2025	00:00		<0.0014 - MS,H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/13/2025	00:00		<0.0016 - MS,H2	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/13/2025	00:00		<0.0043 - MS,H2	mg/kg	0.0043	EPA 8260
AA35112-3	AU_178_WHB_E@5'	**Collected :** 10/23/2025	08:50				
Chromium VI, Soil	11/05/2025	17:35		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/10/2025	06:46		0.14	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/06/2025	09:19	10.00	3.75	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/06/2025	09:19	10.00	168.60	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/06/2025	09:19	10.00	0.13	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/06/2025	09:19	10.00	7.23	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/06/2025	09:19	10.00	6.81	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/06/2025	09:19	10.00	7.23	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:05

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/06/2025	09:19	10.00	2.38	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19	10.00	25.49	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
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Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12923										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
CHROM_VI_SOIL-12837										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	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-12854										
AA35111										
Dup	DRO	345.04				Not Detected			7.78	- 30
Dup	ORO	486.28				Not Detected			8.80	- 50
Matrix Spike	DRO	319.19		mg/kg	350	Not Detected	91.2	70 - 130		
Matrix Spike	ORO	445.29		mg/kg	350	Not Detected	127	50 - 150		
AA35939										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA35940										
LCS	DRO	315.87		mg/kg			90.2	70 - 130		
LCS	ORO	435.70		mg/kg			124	50 - 150		
AA35941										
LCS	DRO	287.86		mg/kg			82.2	70 - 130		
LCS	ORO	462.00		mg/kg			132	50 - 150		
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
METALS_S-12870										
AA35110										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
AA35932										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
AA36027										
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						
AA36029										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA36030										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		
SVOC_SOIL-12826										
AA35110										
Dup	1-methylnaphthalene	0.223	0.00313	mg/kg		Not Detected			37.8	- 30
Dup	2-methylnaphthalene	0.205	0.010	mg/kg		<0.010			40.2	- 30
Dup	Acenaphthene	0.201	0.010	mg/kg		Not Detected			35.2	- 30
Dup	Anthracene	0.268	0.010	mg/kg		Not Detected			14.5	- 30
Dup	Benz(a)anthracene	0.309	0.010	mg/kg		Not Detected			1.63	- 30
Dup	Benzo(a)pyrene	0.290	0.010	mg/kg		Not Detected			12.6	- 30
Dup	Benzo(b)fluoranthene	0.264	0.010	mg/kg		Not Detected			3.35	- 30
Dup	Benzo(k)fluoranthene	0.241	0.010	mg/kg		Not Detected			4.46	- 30
Dup	Chrysene	0.290	0.010	mg/kg		Not Detected			2.05	- 30
Dup	Dibenz(a,h)anthracene	0.327	0.010	mg/kg		Not Detected			1.22	- 30
Dup	Fluoranthene	0.326	0.010	mg/kg		Not Detected			3.91	- 30
Dup	Fluorene	0.220	0.010	mg/kg		Not Detected			39.1	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.265	0.010	mg/kg		Not Detected			1.13	- 30
Dup	Naphthalene	0.219	0.00306	mg/kg		Not Detected			30.2	- 30
Dup	Pyrene	0.267	0.010	mg/kg		Not Detected			3.31	- 30
Matrix Spike	1-methylnaphthalene	0.327	0.00313	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	2-methylnaphthalene	0.308	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		

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Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.304	0.010	mg/kg	0.300	Not Detected	101	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.273	0.010	mg/kg	0.300	Not Detected	91.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.252	0.010	mg/kg	0.300	Not Detected	84.0	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.331	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluoranthene	0.339	0.010	mg/kg	0.300	Not Detected	113	70 - 130		
Matrix Spike	Fluorene	0.327	0.010	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Naphthalene	0.297	0.00306	mg/kg	0.300	Not Detected	99.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA35835										
MB	1-methylnaphthalene	Not Detected	0.00313	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA35836										
LCS	1-methylnaphthalene	0.347	0.00313	mg/kg			116	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.323	0.010	mg/kg			108	70 - 130		
LCS	Anthracene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Benz(a)anthracene	0.349	0.010	mg/kg			116	70 - 130		
LCS	Benzo(a)pyrene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Benzo(b)fluoranthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Benzo(k)fluoranthene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Chrysene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Dibenz(a,h)anthracene	0.361	0.010	mg/kg			120	70 - 130		
LCS	Fluoranthene	0.385	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Naphthalene	0.321	0.00306	mg/kg			107	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		
AA35837										
LCS	1-methylnaphthalene	0.220	0.00313	mg/kg			73.3	70 - 130		
LCS	2-methylnaphthalene	0.218	0.010	mg/kg			72.7	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:05

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Anthracene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Benz(a)anthracene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Benzo(a)pyrene	0.356	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Chrysene	0.315	0.010	mg/kg			105	70 - 130		
LCS	Dibenz(a,h)anthracene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Fluoranthene	0.374	0.010	mg/kg			125	70 - 130		
LCS	Fluorene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Naphthalene	0.219	0.00306	mg/kg			73.0	70 - 130		
LCS	Pyrene	0.311	0.010	mg/kg			104	70 - 130		
VOC_S-12814										
AA35112										
Dup	1,2,4-trimethylbenzene	0.064	0.0016	mg/kg		<0.0016			8.96	- 30
Dup	1,3,5-trimethylbenzene	0.064	0.0015	mg/kg		<0.0015			10.4	- 30
Dup	Benzene	0.088	0.0015	mg/kg		<0.0015			9.73	- 30
Dup	Ethylbenzene	0.066	0.0014	mg/kg		<0.0014			4.44	- 30
Dup	Gasoline Range Organics	2.75	0.223	mg/kg		<0.223			7.02	
Dup	m&p- xylene	0.126	0.0029	mg/kg		<0.0029			10.5	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			8.96	- 30
Dup	Toluene	0.061	0.0016	mg/kg		<0.0016			9.38	- 30
Dup	Xylenes, total	0.190	0.0043	mg/kg		<0.0043			10.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.070		mg/kg	0.050	<0.0016	140	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.071		mg/kg	0.050	<0.0015	142	70 - 130		
Matrix Spike	Benzene	0.097		mg/kg	0.050	<0.0015	194	70 - 130		
Matrix Spike	Ethylbenzene	0.069		mg/kg	0.050	<0.0014	138	70 - 130		
Matrix Spike	Gasoline Range Organics	2.95		mg/kg	2.54	<0.223	116			
Matrix Spike	m&p- xylene	0.140		mg/kg	0.100	<0.0029	140	70 - 130		
Matrix Spike	o-xylene	0.070		mg/kg	0.050	<0.0014	140	70 - 130		
Matrix Spike	Toluene	0.067		mg/kg	0.050	<0.0016	134	70 - 130		
Matrix Spike	Xylenes, total	0.210		mg/kg	0.150	<0.0043	140	70 - 130		
AA35809										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	<0.0015		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	Naphthalene	<0.0012		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:05

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA35810										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.054		mg/kg			108	70 - 130		
LCS	1,2-Dichloroethane	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.063		mg/kg			126	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organics	3.24		mg/kg			128			
LCS	m&p- xylene	0.104		mg/kg			104	70 - 130		
LCS	Naphthalene	0.056		mg/kg			112	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		
AA35811										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.060		mg/kg			120	70 - 130		
LCS	1,2-Dichloroethane	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Benzene	0.059		mg/kg			118	70 - 130		
LCS	Ethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Gasoline Range Organics	3.08		mg/kg			121			
LCS	m&p- xylene	0.103		mg/kg			103	70 - 130		
LCS	Naphthalene	0.058		mg/kg			116	70 - 130		
LCS	o-xylene	0.053		mg/kg			106	70 - 130		
LCS	Toluene	0.049		mg/kg			98.0	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:05

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time	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

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35113 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite
1	AU_178_WH_B01@18'	10/23/25	9:00	3			✔			✔		✔
2												
3												
4												
5												
6												
7												
8												
9												
10												

Interim report requested: ☐ Yes ☑ No

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35113-1

Relinquished By: [signature]
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No 2025-10-24-014-1 AS
pH Checked: Yes (No) Lot/EQM Number:
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35113-1	AU_178_WH_B01@18'	**Collected :** 10/23/2025	09:00				
EC & pH soil by saturated paste - EC, soil	10/28/2025	14:14		0.89	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	10/28/2025	14:14		18.10	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	10/28/2025	14:14		8.33	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	10/31/2025	11:22	10.00	6.16	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	10/31/2025	11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	10/31/2025	11:22	10.00	5.78	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	10/31/2025	11:22	10.00	3.17	No Unit		EPA 6020B
AA35113-2	AU_178_WH_B01@18'	**Collected :** 10/23/2025	09:00				
DRO & ORO, Soil - DRO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/13/2025	00:00		<0.0016 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/13/2025	00:00		<0.0015 - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/13/2025	00:00		<0.0015 - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/13/2025	00:00		Not Detected - H2	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/13/2025	00:00		<0.0029 - H2	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/13/2025	00:00		<0.0016 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/13/2025	00:00		<0.0043 - H2	mg/kg	0.0043	EPA 8260
AA35113-3	AU_178_WH_B01@18'	**Collected :** 10/23/2025	09:00				
Chromium VI, Soil	11/05/2025	17:35		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/10/2025	06:46		0.69	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/06/2025	09:19	10.00	4.61	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/06/2025	09:19	10.00	205.51	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/06/2025	09:19	10.00	0.17	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/06/2025	09:19	10.00	9.33	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/06/2025	09:19	10.00	8.76	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/06/2025	09:19	10.00	9.75	mg/kg	0.025	EPA 6020B

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/06/2025	09:19	10.00	2.65	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19	10.00	34.00	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12923										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
CHROM_VI_SOIL-12837										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-12854										
AA35111										
Dup	DRO	345.04				Not Detected			7.78	- 30
Dup	ORO	486.28				Not Detected			8.80	- 50
Matrix Spike	DRO	319.19		mg/kg	350	Not Detected	91.2	70 - 130		
Matrix Spike	ORO	445.29		mg/kg	350	Not Detected	127	50 - 150		
AA35939										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA35940										
LCS	DRO	315.87		mg/kg			90.2	70 - 130		
LCS	ORO	435.70		mg/kg			124	50 - 150		
AA35941										
LCS	DRO	287.86		mg/kg			82.2	70 - 130		
LCS	ORO	462.00		mg/kg			132	50 - 150		
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
METALS_S-12870										
AA35110										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
AA35932										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
AA36027										
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						
AA36029										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA36030										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		
SVOC_SOIL-12826										
AA35110										
Dup	1-methylnaphthalene	0.223	0.00313	mg/kg		Not Detected			37.8	- 30
Dup	2-methylnaphthalene	0.205	0.010	mg/kg		<0.010			40.2	- 30
Dup	Acenaphthene	0.201	0.010	mg/kg		Not Detected			35.2	- 30
Dup	Anthracene	0.268	0.010	mg/kg		Not Detected			14.5	- 30
Dup	Benz(a)anthracene	0.309	0.010	mg/kg		Not Detected			1.63	- 30
Dup	Benzo(a)pyrene	0.290	0.010	mg/kg		Not Detected			12.6	- 30
Dup	Benzo(b)fluoranthene	0.264	0.010	mg/kg		Not Detected			3.35	- 30
Dup	Benzo(k)fluoranthene	0.241	0.010	mg/kg		Not Detected			4.46	- 30
Dup	Chrysene	0.290	0.010	mg/kg		Not Detected			2.05	- 30
Dup	Dibenz(a,h)anthracene	0.327	0.010	mg/kg		Not Detected			1.22	- 30
Dup	Fluoranthene	0.326	0.010	mg/kg		Not Detected			3.91	- 30
Dup	Fluorene	0.220	0.010	mg/kg		Not Detected			39.1	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.265	0.010	mg/kg		Not Detected			1.13	- 30
Dup	Naphthalene	0.219	0.00306	mg/kg		Not Detected			30.2	- 30
Dup	Pyrene	0.267	0.010	mg/kg		Not Detected			3.31	- 30
Matrix Spike	1-methylnaphthalene	0.327	0.00313	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	2-methylnaphthalene	0.308	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.304	0.010	mg/kg	0.300	Not Detected	101	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.273	0.010	mg/kg	0.300	Not Detected	91.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.252	0.010	mg/kg	0.300	Not Detected	84.0	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.331	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluoranthene	0.339	0.010	mg/kg	0.300	Not Detected	113	70 - 130		
Matrix Spike	Fluorene	0.327	0.010	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Naphthalene	0.297	0.00306	mg/kg	0.300	Not Detected	99.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA35835										
MB	1-methylnaphthalene	Not Detected	0.00313	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA35836										
LCS	1-methylnaphthalene	0.347	0.00313	mg/kg			116	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.323	0.010	mg/kg			108	70 - 130		
LCS	Anthracene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Benz(a)anthracene	0.349	0.010	mg/kg			116	70 - 130		
LCS	Benzo(a)pyrene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Benzo(b)fluoranthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Benzo(k)fluoranthene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Chrysene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Dibenz(a,h)anthracene	0.361	0.010	mg/kg			120	70 - 130		
LCS	Fluoranthene	0.385	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Naphthalene	0.321	0.00306	mg/kg			107	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		
AA35837										
LCS	1-methylnaphthalene	0.220	0.00313	mg/kg			73.3	70 - 130		
LCS	2-methylnaphthalene	0.218	0.010	mg/kg			72.7	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Anthracene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Benz(a)anthracene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Benzo(a)pyrene	0.356	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Chrysene	0.315	0.010	mg/kg			105	70 - 130		
LCS	Dibenz(a,h)anthracene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Fluoranthene	0.374	0.010	mg/kg			125	70 - 130		
LCS	Fluorene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Naphthalene	0.219	0.00306	mg/kg			73.0	70 - 130		
LCS	Pyrene	0.311	0.010	mg/kg			104	70 - 130		
VOC_S-12814										
AA35112										
Dup	1,2,4-trimethylbenzene	0.064	0.0016	mg/kg		<0.0016			8.96	- 30
Dup	1,3,5-trimethylbenzene	0.064	0.0015	mg/kg		<0.0015			10.4	- 30
Dup	Benzene	0.088	0.0015	mg/kg		<0.0015			9.73	- 30
Dup	Ethylbenzene	0.066	0.0014	mg/kg		<0.0014			4.44	- 30
Dup	Gasoline Range Organics	2.75	0.223	mg/kg		<0.223			7.02	
Dup	m&p- xylene	0.126	0.0029	mg/kg		<0.0029			10.5	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			8.96	- 30
Dup	Toluene	0.061	0.0016	mg/kg		<0.0016			9.38	- 30
Dup	Xylenes, total	0.190	0.0043	mg/kg		<0.0043			10.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.070		mg/kg	0.050	<0.0016	140	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.071		mg/kg	0.050	<0.0015	142	70 - 130		
Matrix Spike	Benzene	0.097		mg/kg	0.050	<0.0015	194	70 - 130		
Matrix Spike	Ethylbenzene	0.069		mg/kg	0.050	<0.0014	138	70 - 130		
Matrix Spike	Gasoline Range Organics	2.95		mg/kg	2.54	<0.223	116			
Matrix Spike	m&p- xylene	0.140		mg/kg	0.100	<0.0029	140	70 - 130		
Matrix Spike	o-xylene	0.070		mg/kg	0.050	<0.0014	140	70 - 130		
Matrix Spike	Toluene	0.067		mg/kg	0.050	<0.0016	134	70 - 130		
Matrix Spike	Xylenes, total	0.210		mg/kg	0.150	<0.0043	140	70 - 130		
AA35809										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	<0.0015		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	Naphthalene	<0.0012		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA35810										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.054		mg/kg			108	70 - 130		
LCS	1,2-Dichloroethane	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.063		mg/kg			126	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organics	3.24		mg/kg			128			
LCS	m&p- xylene	0.104		mg/kg			104	70 - 130		
LCS	Naphthalene	0.056		mg/kg			112	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		
AA35811										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.060		mg/kg			120	70 - 130		
LCS	1,2-Dichloroethane	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Benzene	0.059		mg/kg			118	70 - 130		
LCS	Ethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Gasoline Range Organics	3.08		mg/kg			121			
LCS	m&p- xylene	0.103		mg/kg			103	70 - 130		
LCS	Naphthalene	0.058		mg/kg			116	70 - 130		
LCS	o-xylene	0.053		mg/kg			106	70 - 130		
LCS	Toluene	0.049		mg/kg			98.0	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:06

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time	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

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

October 31, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35114 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: Full Suite	Interim report requested: Yes	Interim report requested: No
1	AU_178_WHB_W@2'	10/23/25	8:00	3			✔			✔		✔		✔
2														
3														
4														
5														
6														
7														
8														
9														
10														

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA351141

Relinquished By: [signature]
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No 2025-10-24-015-1 AS
pH Checked: Yes (No) Lot/EQM Number:
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 10/31/2025
Report Time : 16:24

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35114-1	AU_178_WHB_W@2'	**Collected :**	10/23/2025	08:00				
EC & pH soil by saturated paste - EC, soil		10/28/2025	14:14		0.66	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		10/28/2025	14:14		23.60	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		10/28/2025	14:14		8.53	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		10/31/2025	11:22	10.00	0.55	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		10/31/2025	11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		10/31/2025	11:22	10.00	4.31	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		10/31/2025	11:22	10.00	7.29	No Unit		EPA 6020B

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 10/31/2025
Report Time : 16:24

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		

Division of Environmental Testing
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Aurora, CO 80045
800-440-5184

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35115 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street 112 High Street
City/State/ZIP: Buffalo, WY 82834
Phone: 307-262-8975 , 970-381-7363
Project Contact: Joel Mason

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: D. Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	HNO_3	None	Other	Matrix: Water	Soil	Other	Analysis Requested: Full Suite	Interim report requested: Yes / No
1	AU_178_WHB_N@2'	10/23/25	8:20	3			✔			✔		✔	
2													
3													
4													
5													
6													
7													
8													
9													
10													

Notes

RUSH pH, SAR, and EC. HOLD for AE2 review before Full Suite.

AA35115-1

Relinquished By: [signature]
Date/Time: 10.24.25 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.3°C
Corrected Temperature Upon Receipt: 2°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No 2025-10-24-016-1 AS
pH Checked: Yes (No) Lot/EQM Number:
pH Adjusted: Yes No N/A
PFAS rec'd on ice: Yes No N/A
Name/Lot Number of Adjustment:

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA35115-1	AU_178_WHB_N@2'	**Collected :** 10/23/2025	08:20				
EC & pH soil by saturated paste - EC, soil	10/28/2025	14:14		0.86	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	10/28/2025	14:14		18.70	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	10/28/2025	14:14		8.12	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	10/31/2025	11:22	10.00	2.35	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	10/31/2025	11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	10/31/2025	11:22	10.00	4.13	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	10/31/2025	11:22	10.00	3.37	No Unit		EPA 6020B
AA35115-2	AU_178_WHB_N@2'	**Collected :** 10/23/2025	08:20				
DRO & ORO, Soil - DRO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/14/2025	14:19		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/05/2025	12:23		<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/05/2025	12:23		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/05/2025	12:23		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/13/2025	00:00		<0.0016 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/13/2025	00:00		<0.0015 - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/13/2025	00:00		Not Detected - H2	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/13/2025	00:00		<0.223 - H2	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/13/2025	00:00		0.0047 - H2	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/13/2025	00:00		<0.0014 - H2	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/13/2025	00:00		0.0027 - H2	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/13/2025	00:00		0.0047 - H2	mg/kg	0.0043	EPA 8260
AA35115-3	AU_178_WHB_N@2'	**Collected :** 10/23/2025	08:20				
Chromium VI, Soil	11/05/2025	17:35		0.09	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/10/2025	06:46		0.18	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/06/2025	09:19	10.00	4.19	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/06/2025	09:19	10.00	163.04	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/06/2025	09:19	10.00	0.20	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/06/2025	09:19	10.00	8.09	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/06/2025	09:19	10.00	20.98	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/06/2025	09:19	10.00	8.52	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/06/2025	09:19	10.00	2.69	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19	10.00	67.89	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12923										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
CHROM_VI_SOIL-12837										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-12854										
AA35111										
Dup	DRO	345.04				Not Detected			7.78	- 30
Dup	ORO	486.28				Not Detected			8.80	- 50
Matrix Spike	DRO	319.19		mg/kg	350	Not Detected	91.2	70 - 130		
Matrix Spike	ORO	445.29		mg/kg	350	Not Detected	127	50 - 150		
AA35939										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA35940										
LCS	DRO	315.87		mg/kg			90.2	70 - 130		
LCS	ORO	435.70		mg/kg			124	50 - 150		
AA35941										
LCS	DRO	287.86		mg/kg			82.2	70 - 130		
LCS	ORO	462.00		mg/kg			132	50 - 150		
EC_PH-12669										
AA35108										
Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5
AA35229										
LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		
AA35230										
LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		
METALS_S-12870										
AA35110										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
AA35932										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
AA36027										
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						
AA36029										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA36030										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-12671										
AA35108										
Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20
AA35231										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.01								
AA35232										
LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		
AA35233										
LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		
SVOC_SOIL-12826										
AA35110										
Dup	1-methylnaphthalene	0.223	0.00313	mg/kg		Not Detected			37.8	- 30
Dup	2-methylnaphthalene	0.205	0.010	mg/kg		<0.010			40.2	- 30
Dup	Acenaphthene	0.201	0.010	mg/kg		Not Detected			35.2	- 30
Dup	Anthracene	0.268	0.010	mg/kg		Not Detected			14.5	- 30
Dup	Benz(a)anthracene	0.309	0.010	mg/kg		Not Detected			1.63	- 30
Dup	Benzo(a)pyrene	0.290	0.010	mg/kg		Not Detected			12.6	- 30
Dup	Benzo(b)fluoranthene	0.264	0.010	mg/kg		Not Detected			3.35	- 30
Dup	Benzo(k)fluoranthene	0.241	0.010	mg/kg		Not Detected			4.46	- 30
Dup	Chrysene	0.290	0.010	mg/kg		Not Detected			2.05	- 30
Dup	Dibenz(a,h)anthracene	0.327	0.010	mg/kg		Not Detected			1.22	- 30
Dup	Fluoranthene	0.326	0.010	mg/kg		Not Detected			3.91	- 30
Dup	Fluorene	0.220	0.010	mg/kg		Not Detected			39.1	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.265	0.010	mg/kg		Not Detected			1.13	- 30
Dup	Naphthalene	0.219	0.00306	mg/kg		Not Detected			30.2	- 30
Dup	Pyrene	0.267	0.010	mg/kg		Not Detected			3.31	- 30
Matrix Spike	1-methylnaphthalene	0.327	0.00313	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	2-methylnaphthalene	0.308	0.010	mg/kg	0.300	<0.010	103	70 - 130		
Matrix Spike	Acenaphthene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Anthracene	0.310	0.010	mg/kg	0.300	Not Detected	103	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.304	0.010	mg/kg	0.300	Not Detected	101	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.273	0.010	mg/kg	0.300	Not Detected	91.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.252	0.010	mg/kg	0.300	Not Detected	84.0	70 - 130		
Matrix Spike	Chrysene	0.296	0.010	mg/kg	0.300	Not Detected	98.7	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.331	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluoranthene	0.339	0.010	mg/kg	0.300	Not Detected	113	70 - 130		
Matrix Spike	Fluorene	0.327	0.010	mg/kg	0.300	Not Detected	109	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.268	0.010	mg/kg	0.300	Not Detected	89.3	70 - 130		
Matrix Spike	Naphthalene	0.297	0.00306	mg/kg	0.300	Not Detected	99.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA35835										
MB	1-methylnaphthalene	Not Detected	0.00313	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
AA35836										
LCS	1-methylnaphthalene	0.347	0.00313	mg/kg			116	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.323	0.010	mg/kg			108	70 - 130		
LCS	Anthracene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Benz(a)anthracene	0.349	0.010	mg/kg			116	70 - 130		
LCS	Benzo(a)pyrene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Benzo(b)fluoranthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Benzo(k)fluoranthene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Chrysene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Dibenz(a,h)anthracene	0.361	0.010	mg/kg			120	70 - 130		
LCS	Fluoranthene	0.385	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Naphthalene	0.321	0.00306	mg/kg			107	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		
AA35837										
LCS	1-methylnaphthalene	0.220	0.00313	mg/kg			73.3	70 - 130		
LCS	2-methylnaphthalene	0.218	0.010	mg/kg			72.7	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.213	0.010	mg/kg			71.0	70 - 130		
LCS	Anthracene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Benz(a)anthracene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Benzo(a)pyrene	0.356	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.275	0.010	mg/kg			91.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Chrysene	0.315	0.010	mg/kg			105	70 - 130		
LCS	Dibenz(a,h)anthracene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Fluoranthene	0.374	0.010	mg/kg			125	70 - 130		
LCS	Fluorene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Naphthalene	0.219	0.00306	mg/kg			73.0	70 - 130		
LCS	Pyrene	0.311	0.010	mg/kg			104	70 - 130		
VOC_S-12814										
AA35112										
Dup	1,2,4-trimethylbenzene	0.064	0.0016	mg/kg		<0.0016			8.96	- 30
Dup	1,3,5-trimethylbenzene	0.064	0.0015	mg/kg		<0.0015			10.4	- 30
Dup	Benzene	0.088	0.0015	mg/kg		<0.0015			9.73	- 30
Dup	Ethylbenzene	0.066	0.0014	mg/kg		<0.0014			4.44	- 30
Dup	Gasoline Range Organics	2.75	0.223	mg/kg		<0.223			7.02	
Dup	m&p- xylene	0.126	0.0029	mg/kg		<0.0029			10.5	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			8.96	- 30
Dup	Toluene	0.061	0.0016	mg/kg		<0.0016			9.38	- 30
Dup	Xylenes, total	0.190	0.0043	mg/kg		<0.0043			10.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.070		mg/kg	0.050	<0.0016	140	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.071		mg/kg	0.050	<0.0015	142	70 - 130		
Matrix Spike	Benzene	0.097		mg/kg	0.050	<0.0015	194	70 - 130		
Matrix Spike	Ethylbenzene	0.069		mg/kg	0.050	<0.0014	138	70 - 130		
Matrix Spike	Gasoline Range Organics	2.95		mg/kg	2.54	<0.223	116			
Matrix Spike	m&p- xylene	0.140		mg/kg	0.100	<0.0029	140	70 - 130		
Matrix Spike	o-xylene	0.070		mg/kg	0.050	<0.0014	140	70 - 130		
Matrix Spike	Toluene	0.067		mg/kg	0.050	<0.0016	134	70 - 130		
Matrix Spike	Xylenes, total	0.210		mg/kg	0.150	<0.0043	140	70 - 130		
AA35809										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	<0.0015		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	Naphthalene	<0.0012		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA35810										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.054		mg/kg			108	70 - 130		
LCS	1,2-Dichloroethane	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.063		mg/kg			126	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organics	3.24		mg/kg			128			
LCS	m&p- xylene	0.104		mg/kg			104	70 - 130		
LCS	Naphthalene	0.056		mg/kg			112	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.050		mg/kg			100	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		
AA35811										
LCS	1,2,4-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	1,2-Dibromoethane	0.060		mg/kg			120	70 - 130		
LCS	1,2-Dichloroethane	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Benzene	0.059		mg/kg			118	70 - 130		
LCS	Ethylbenzene	0.053		mg/kg			106	70 - 130		
LCS	Gasoline Range Organics	3.08		mg/kg			121			
LCS	m&p- xylene	0.103		mg/kg			103	70 - 130		
LCS	Naphthalene	0.058		mg/kg			116	70 - 130		
LCS	o-xylene	0.053		mg/kg			106	70 - 130		
LCS	Toluene	0.049		mg/kg			98.0	70 - 130		
LCS	Xylenes, total	0.156		mg/kg			104	70 - 130		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 16:13

Project Manager: Joel Mason **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Result Date/Time					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

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason / Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36729 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	pH	EC	Boron	Arsenic	
1	AU_178_WH_BG02@5'	11/11/25	9:20	3			✔			✔		✔	✔	✔	✔	✔	
2	AU_178_WH_BG02@10'	11/11/25	9:30	3			✔			✔		✔	✔	✔	✔	✔	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Interim report requested: ☐ Yes ☑ No

Notes

AA35729-1

AA35730-1

Relinquished By: [signature]
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
DJ 2

Samples Intact: (Yes) No
pH Checked: (Yes) No
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Lot/EQM Number: NA
2025-11-12-021 AN
Name/Lot Number of Adjustment: NA

EFOR-008.005

Division of Environmental Testing
2115 N Scranton St Suite 3040A
Aurora, CO 80045
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:02

Project Manager: Joel Mason / Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36729-1	AU_178_WH_BG02@5'	**Collected :**	11/11/2025	09:20				
EC & pH soil by saturated paste - EC, soil		11/14/2025	14:14		0.66	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		11/14/2025	14:14		22.00	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		11/14/2025	14:14		8.28	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		11/17/2025	08:28	10.00	1.30	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		11/17/2025	08:28	10.00	3.35	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		11/17/2025	08:28	10.00	3.59	No Unit		EPA 6020B
AA36729-2	AU_178_WH_BG02@5'	**Collected :**	11/11/2025	09:20				
Hot Water Soluble Boron		11/14/2025	11:14		0.44	mg/kg	0.050	Boron Hot Water Extraction
AA36729-3	AU_178_WH_BG02@5'	**Collected :**	11/11/2025	09:20				
Total Metals, Soils - Arsenic		11/14/2025	00:00	10.00	4.39	mg/kg	0.025	EPA 6020B
AA36730-1	AU_178_WH_BG02@10'	**Collected :**	11/11/2025	09:30				
EC & pH soil by saturated paste - EC, soil		11/14/2025	14:14		1.13	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		11/14/2025	14:14		21.70	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		11/14/2025	14:14		8.12	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		11/17/2025	08:28	10.00	3.12	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		11/17/2025	08:28	10.00	5.37	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		11/17/2025	08:28	10.00	3.83	No Unit		EPA 6020B
AA36730-2	AU_178_WH_BG02@10'	**Collected :**	11/11/2025	09:30				
Hot Water Soluble Boron		11/14/2025	11:14		0.23	mg/kg	0.050	Boron Hot Water Extraction
AA36730-3	AU_178_WH_BG02@10'	**Collected :**	11/11/2025	09:30				
Total Metals, Soils - Arsenic		11/14/2025	00:00	10.00	4.75	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:02

Project Manager: Joel Mason / Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13094										
DUP	AA36502	0.62	0.050	mg/kg					1.6	-15 - 15
MB	AA36834	0.01		mg/kg						
LCS	AA36835	1.03		mg/kg	1.00		103	80 - 120		
LCS	AA36836	8.93		mg/kg	9.00		99.2	80 - 120		

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FINAL RESULTS REPORT

Report Date : 11/17/2025
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Project Manager: Joel Mason / Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
EC_PH-13125										
AA36722										
Dup	EC, soil	2.29	0.0005	mmhos/cm		2.31			0.870	- 5
Dup	pH soil Temperature	22.30		°C		22.20				
Dup	pH, soil	8.05	0.01	SU		8.04			0.124	- 5
AA36926										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36927										
LCS	EC, soil	9.56	0.0005	mmhos/cm			95.6	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
METALS_S-13095										
AA36729										
Dup	Arsenic	4.08	0.025	mg/kg		4.39			7.32	0 - 15
Matrix Spike	Arsenic	21.55		mg/kg	20	4.39	85.8	80 - 120		
AA36830										
MB	Aluminum	0.02		mg/kg						
MB	Antimony	0.00		mg/kg						
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Beryllium	0.00		mg/kg						
MB	Boron	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Calcium	0.00		mg/kg						
MB	Chromium	0.00		mg/kg						
MB	Cobalt	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Iron	0.04		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Magnesium	0.01		mg/kg						
MB	Manganese	0.00		mg/kg						
MB	Mercury	0.00		mg/kg						
MB	Molybdenum	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Phosphorous	0.02		mg/kg						
MB	Potassium	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Sodium	0.01		mg/kg						
MB	Strontium	0.00		mg/kg						
MB	Thallium	0.00		mg/kg						
MB	Tin	0.00		mg/kg						
MB	Titanium	0.00		mg/kg						
MB	Vanadium	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						
AA36832										

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:02

Project Manager: Joel Mason / Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Aluminum	0.10		mg/kg			100	80 - 120		
LCS	Antimony	0.10		mg/kg			100	80 - 120		
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Beryllium	0.10		mg/kg			100	80 - 120		
LCS	Boron	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Calcium	0.99		mg/kg			110	80 - 120		
LCS	Chromium	0.10		mg/kg			100	80 - 120		
LCS	Cobalt	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Iron	0.11		mg/kg			110	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Magnesium	0.10		mg/kg			100	80 - 120		
LCS	Manganese	0.10		mg/kg			100	80 - 120		
LCS	Mercury	0.10		mg/kg			100	80 - 120		
LCS	Molybdenum	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Phosphorous	0.11		mg/kg			110	80 - 120		
LCS	Potassium	0.11		mg/kg			110	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Sodium	0.10		mg/kg			100	80 - 120		
LCS	Strontium	0.10		mg/kg			100	80 - 120		
LCS	Thallium	0.10		mg/kg			100	80 - 120		
LCS	Tin	0.10		mg/kg			100	80 - 120		
LCS	Titanium	0.10		mg/kg			100	80 - 120		
LCS	Vanadium	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
LCS	Zirconium	0.10		mg/kg						
AA36833										
LCS	Aluminum	0.10		mg/kg			100	80 - 120		
LCS	Antimony	0.10		mg/kg			100	80 - 120		
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Beryllium	0.11		mg/kg			110	80 - 120		
LCS	Boron	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Calcium	0.97		mg/kg			108	80 - 120		
LCS	Chromium	0.10		mg/kg			100	80 - 120		
LCS	Cobalt	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Iron	0.11		mg/kg			110	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Magnesium	0.10		mg/kg			100	80 - 120		
LCS	Manganese	0.10		mg/kg			100	80 - 120		
LCS	Mercury	0.10		mg/kg			100	80 - 120		

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:02

Project Manager: Joel Mason / Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Molybdenum	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Phosphorous	0.12		mg/kg			120	80 - 120		
LCS	Potassium	0.11		mg/kg			110	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Sodium	0.10		mg/kg			100	80 - 120		
LCS	Strontium	0.10		mg/kg			100	80 - 120		
LCS	Thallium	0.10		mg/kg			100	80 - 120		
LCS	Tin	0.10		mg/kg			100	80 - 120		
LCS	Titanium	0.10		mg/kg			100	80 - 120		
LCS	Vanadium	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	5.81	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	1.71	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	14.74	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	7.60	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36731 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	Analysis Requested: pH	Analysis Requested: EC	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:
1	AU_178_WHB_W@10'	11/11/25	8:00	3			✔			✔		✔	✔	✔					
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA35731-1

Relinquished By: [signature]
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
DJ2

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA 2025-11-12-022
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36731-1	AU_178_WHB_W@10'	**Collected :**	11/11/2025 08:00					
EC & pH soil by saturated paste - EC, soil		11/14/2025	14:14		0.77	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		11/14/2025	14:14		21.60	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		11/14/2025	14:14		8.48	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		11/17/2025	08:28	10.00	0.81	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		11/17/2025	08:28	10.00	5.55	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		11/17/2025	08:28	10.00	7.90	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 : 11/17/2025
Report Time : 17:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
EC_PH-13125										
AA36722										
Dup	EC, soil	2.29	0.0005	mmhos/cm		2.31			0.870	- 5
Dup	pH soil Temperature	22.30		°C		22.20				
Dup	pH, soil	8.05	0.01	SU		8.04			0.124	- 5
AA36926										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36927										
LCS	EC, soil	9.56	0.0005	mmhos/cm			95.6	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		

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

November 17, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36732 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	HNO_3	None	Other	Matrix: Water	Soil	Other	Analysis Requested: SAR	pH	EC						Interim report requested: Yes / No
1	AU_178_WHB_W@14'	11/11/25	8:10	3			✔			✔		✔	✔	✔						No
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Notes
RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA35732-1

Relinquished By: [signature]
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only
Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
DJ 2

Samples Intact: (Yes) No
pH Checked: Yes No NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-023
Lot/EQM Number: NA
AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 11/17/2025
Report Time : 17:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36732-1	AU_178_WHB_W@14'	**Collected :** 11/11/2025	08:10				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:14		1.15	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:14		21.40	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:14		8.30	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	1.79	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	7.63	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	7.37	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 : 11/17/2025
Report Time : 17:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
EC_PH-13125										
AA36722										
Dup	EC, soil	2.29	0.0005	mmhos/cm		2.31			0.870	- 5
Dup	pH soil Temperature	22.30		°C		22.20				
Dup	pH, soil	8.05	0.01	SU		8.04			0.124	- 5
AA36926										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36927										
LCS	EC, soil	9.56	0.0005	mmhos/cm			95.6	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		

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

December 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36733 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	Analysis Requested: pH	Analysis Requested: EC	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:
1	AU_178_WHB1@2'	11/11/25	8:20	3			✔			✔		✔	✔	✔					
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA36733-1

Relinquished By: [signature]
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C DJ 2

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-024 AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:56

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36733-1	AU_178_WHB1@2'	**Collected :** 11/11/2025	08:20				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:14		0.96	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:14		21.30	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:14		8.04	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	4.14	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	1.39	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	2.38	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	1.43	No Unit		EPA 6020B
AA36733-2	AU_178_WHB1@2'	**Collected :** 11/11/2025	08:20				
DRO & ORO, Soil - DRO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/21/2025	08:52		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/21/2025	08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/21/2025	08:52		<0.0043	mg/kg	0.0043	EPA 8260
AA36733-3	AU_178_WHB1@2'	**Collected :** 11/11/2025	08:20				
Chromium VI, Soil	11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/24/2025	07:58		0.15	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/24/2025	13:03	10.00	3.93	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/24/2025	13:03	10.00	170.41	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/24/2025	13:03	10.00	0.16	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/24/2025	13:03	10.00	7.63	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/24/2025	13:03	10.00	8.55	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/24/2025	13:03	10.00	7.76	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:56

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/24/2025	13:03	10.00	2.11	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/24/2025	13:03	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/24/2025	13:03	10.00	26.83	mg/kg	0.025	EPA 6020B

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	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-13274										
AA37168										
Dup	DRO	3214.83				2868.20			0.872	- 30
Dup	ORO	506.91				<100.00			3.07	- 50
Matrix Spike	DRO	3243.00		mg/kg	350	2868.20	107	70 - 130		
Matrix Spike	ORO	491.57		mg/kg	350	<100.00	140	50 - 150		
AA37392										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37393										
LCS	DRO	376.81		mg/kg			108	70 - 130		
LCS	ORO	401.15		mg/kg			115	50 - 150		
AA37394										
LCS	DRO	389.97		mg/kg			111	70 - 130		
LCS	ORO	414.18		mg/kg			118	50 - 150		
EC_PH-13125										
AA36722										
Dup	EC, soil	2.29	0.0005	mmhos/cm		2.31			0.870	- 5
Dup	pH soil Temperature	22.30		°C		22.20				
Dup	pH, soil	8.05	0.01	SU		8.04			0.124	- 5
AA36926										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36927										
LCS	EC, soil	9.56	0.0005	mmhos/cm			95.6	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.100		mg/kg			100	50 - 150		
IS	4-Bromofluorobenzene	0.107		mg/kg			107.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		

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FINAL RESULTS REPORT

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.095		mg/kg			95.00	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.095		mg/kg			95.00	50 - 150		
IS	4-Bromofluorobenzene	0.130		mg/kg			130.0	50 - 150		
IS	Acenaphathene-d10	0.090		mg/kg			90.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.090		mg/kg			90.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.00	50 - 150		
IS	Phenanthrene-d10	0.091		mg/kg			91.00	50 - 150		
IS	Toluene-d8	0.130		mg/kg			130.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.120		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.086		mg/kg			86.00	50 - 150		
IS	Chrysene-d12	0.089		mg/kg			89.00	50 - 150		
IS	Naphthalene-d8	0.086		mg/kg			86.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.00	50 - 150		
IS	Phenanthrene-d10	0.088		mg/kg			88.00	50 - 150		
IS	Toluene-d8	0.120		mg/kg			120.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.124		mg/kg			124.00	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.133		mg/kg			133.00	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.00	50 - 150		
IS	Perylenel-d12	0.120		mg/kg			120.0	50 - 150		
IS	Phenanthrene-d10	0.100		mg/kg			100	50 - 150		
IS	Toluene-d8	0.118		mg/kg			118.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.140		mg/kg			140.0	50 - 150		
IS	4-Bromofluorobenzene	0.112		mg/kg			112.00	50 - 150		
IS	Acenaphathene-d10	0.148		mg/kg			148.00	50 - 150		
IS	Chrysene-d12	0.164		mg/kg			164.00	50 - 150		
IS	Naphthalene-d8	0.143		mg/kg			143.00	50 - 150		
IS	Perylenel-d12	0.167		mg/kg			167.00	50 - 150		
IS	Phenanthrene-d10	0.160		mg/kg			160.0	50 - 150		
IS	Toluene-d8	0.117		mg/kg			117.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.115		mg/kg			115.00	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.00	50 - 150		
IS	Chrysene-d12	0.110		mg/kg			110.0	50 - 150		
IS	Naphthalene-d8	0.096		mg/kg			96.00	50 - 150		
IS	Perylenel-d12	0.113		mg/kg			113.00	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.108		mg/kg			108.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.114		mg/kg			114.00	50 - 150		

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.092		mg/kg			92.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.105		mg/kg			105.00	50 - 150		
IS	Acenaphathene-d10	0.103		mg/kg			103.00	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100	50 - 150		
IS	Naphthalene-d8	0.094		mg/kg			94.00	50 - 150		
IS	Perylenel-d12	0.114		mg/kg			114.00	50 - 150		
IS	Phenanthrene-d10	0.095		mg/kg			95.00	50 - 150		
IS	Toluene-d8	0.101		mg/kg			101.00	50 - 150		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:56

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphthene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:56

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	1.83		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
AA37507										
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	<0.223		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						
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		
LCS	Toluene	0.061		mg/kg			122	70 - 130		
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:56

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	2.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

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

December 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36734 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

					Preservative				Matrix			Analysis Requested								Interim report requested: ☐ Yes ☑ No
	Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO_3	None	Other	Water	Soil	Other	SAR	pH	EC					Notes: *RUSH* SAR, pH, EC *HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW*
1	AU_178_WHB1@5'	AU_178_WHB1@5'	11/11/25	8:30	3			✔			✔		✔	✔	✔					AA367341
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Relinquished By: BL
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: GDX GQ 351 DJ2
Correction Factor: -0.3°C

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-025 AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36734-1	AU_178_WHB1@5'	**Collected :** 11/11/2025	08:30					
EC & pH soil by saturated paste - EC, soil		11/14/2025	14:14		0.86	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		11/14/2025	14:14		21.00	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		11/14/2025	14:14		8.22	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		11/17/2025	08:28	10.00	2.77	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		11/17/2025	08:28	10.00	1.06	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		11/17/2025	08:28	10.00	3.51	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		11/17/2025	08:28	10.00	2.54	No Unit		EPA 6020B
AA36734-2	AU_178_WHB1@5'	**Collected :** 11/11/2025	08:30					
DRO & ORO, Soil - DRO		11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		11/19/2025	16:48		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		11/19/2025	16:48		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		11/21/2025	08:52		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		11/21/2025	08:52		Not Detected	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		11/21/2025	08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene		11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		11/21/2025	08:52		<0.0043	mg/kg	0.0043	EPA 8260
AA36734-3	AU_178_WHB1@5'	**Collected :** 11/11/2025	08:30					
Chromium VI, Soil		11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		11/24/2025	07:58		0.16	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		11/24/2025	13:03	10.00	4.17	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		11/24/2025	13:03	10.00	175.69	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		11/24/2025	13:03	10.00	0.15	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		11/24/2025	13:03	10.00	7.87	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		11/24/2025	13:03	10.00	8.92	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		11/24/2025	13:03	10.00	7.80	mg/kg	0.025	EPA 6020B

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium		11/24/2025	13:03	10.00	2.22	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/24/2025	13:03	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/24/2025	13:03	10.00	30.17	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-13274										
AA37168										
Dup	DRO	3214.83				2868.20			0.872	- 30
Dup	ORO	506.91				<100.00			3.07	- 50
Matrix Spike	DRO	3243.00		mg/kg	350	2868.20	107	70 - 130		
Matrix Spike	ORO	491.57		mg/kg	350	<100.00	140	50 - 150		
AA37392										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37393										
LCS	DRO	376.81		mg/kg			108	70 - 130		
LCS	ORO	401.15		mg/kg			115	50 - 150		
AA37394										
LCS	DRO	389.97		mg/kg			111	70 - 130		
LCS	ORO	414.18		mg/kg			118	50 - 150		
EC_PH-13125										
AA36722										
Dup	EC, soil	2.29	0.0005	mmhos/cm		2.31			0.870	- 5
Dup	pH soil Temperature	22.30		°C		22.20				
Dup	pH, soil	8.05	0.01	SU		8.04			0.124	- 5
AA36926										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36927										
LCS	EC, soil	9.56	0.0005	mmhos/cm			95.6	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.100		mg/kg			100	50 - 150		
IS	4-Bromofluorobenzene	0.107		mg/kg			107.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.095		mg/kg			95.00	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.095		mg/kg			95.00	50 - 150		
IS	4-Bromofluorobenzene	0.130		mg/kg			130.0	50 - 150		
IS	Acenaphathene-d10	0.090		mg/kg			90.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.090		mg/kg			90.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.00	50 - 150		
IS	Phenanthrene-d10	0.091		mg/kg			91.00	50 - 150		
IS	Toluene-d8	0.130		mg/kg			130.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.120		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.086		mg/kg			86.00	50 - 150		
IS	Chrysene-d12	0.089		mg/kg			89.00	50 - 150		
IS	Naphthalene-d8	0.086		mg/kg			86.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.00	50 - 150		
IS	Phenanthrene-d10	0.088		mg/kg			88.00	50 - 150		
IS	Toluene-d8	0.120		mg/kg			120.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.124		mg/kg			124.00	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.133		mg/kg			133.00	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.00	50 - 150		
IS	Perylenel-d12	0.120		mg/kg			120.0	50 - 150		
IS	Phenanthrene-d10	0.100		mg/kg			100	50 - 150		
IS	Toluene-d8	0.118		mg/kg			118.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.140		mg/kg			140.0	50 - 150		
IS	4-Bromofluorobenzene	0.112		mg/kg			112.00	50 - 150		
IS	Acenaphathene-d10	0.148		mg/kg			148.00	50 - 150		
IS	Chrysene-d12	0.164		mg/kg			164.00	50 - 150		
IS	Naphthalene-d8	0.143		mg/kg			143.00	50 - 150		
IS	Perylenel-d12	0.167		mg/kg			167.00	50 - 150		
IS	Phenanthrene-d10	0.160		mg/kg			160.0	50 - 150		
IS	Toluene-d8	0.117		mg/kg			117.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.115		mg/kg			115.00	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.00	50 - 150		
IS	Chrysene-d12	0.110		mg/kg			110.0	50 - 150		
IS	Naphthalene-d8	0.096		mg/kg			96.00	50 - 150		
IS	Perylenel-d12	0.113		mg/kg			113.00	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.108		mg/kg			108.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.114		mg/kg			114.00	50 - 150		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.092		mg/kg			92.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.105		mg/kg			105.00	50 - 150		
IS	Acenaphathene-d10	0.103		mg/kg			103.00	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100	50 - 150		
IS	Naphthalene-d8	0.094		mg/kg			94.00	50 - 150		
IS	Perylenel-d12	0.114		mg/kg			114.00	50 - 150		
IS	Phenanthrene-d10	0.095		mg/kg			95.00	50 - 150		
IS	Toluene-d8	0.101		mg/kg			101.00	50 - 150		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphthene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	1.83		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
AA37507										
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	<0.223		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						
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:57

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Toluene	0.061		mg/kg			122	70 - 130		
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	8.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

Division of Environmental Testing
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800-440-5184

December 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36735 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	Analysis Requested: pH	Analysis Requested: EC
1	AU_178_WHB2@2'	11/11/25	8:40	3			✔			✔		✔	✔	✔
2														
3														
4														
5														
6														
7														
8														
9														
10														

Interim report requested: ☐ Yes ☑ No

Notes

RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA35735-1

Relinquished By: BL
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: 6DX EQ 351 DJ 2
Correction Factor: -0.3°C

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-026 AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36735-1	AU_178_WHB2@2'	**Collected :** 11/11/2025	08:40				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:16		0.74	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:16		21.20	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:16		8.27	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	2.34	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	0.95	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	2.70	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	2.14	No Unit		EPA 6020B
AA36735-2	AU_178_WHB2@2'	**Collected :** 11/11/2025	08:40				
DRO & ORO, Soil - DRO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/19/2025	16:48		<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/21/2025	08:52		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/21/2025	08:52		Not Detected	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/21/2025	08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/21/2025	08:52		<0.0043	mg/kg	0.0043	EPA 8260
AA36735-3	AU_178_WHB2@2'	**Collected :** 11/11/2025	08:40				
Chromium VI, Soil	11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/24/2025	07:58		0.16	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/24/2025	13:03	10.00	3.81	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/24/2025	13:03	10.00	289.40	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/24/2025	13:03	10.00	0.13	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/24/2025	13:03	10.00	6.66	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/24/2025	13:03	10.00	6.97	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/24/2025	13:03	10.00	7.19	mg/kg	0.025	EPA 6020B

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Customer ID / Analyte Name	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium	11/24/2025	13:03	10.00	2.14	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	11/24/2025	13:03	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc	11/24/2025	13:03	10.00	23.86	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	80 - 120		

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-13274										
AA37168										
Dup	DRO	3214.83				2868.20			0.872	- 30
Dup	ORO	506.91				<100.00			3.07	- 50
Matrix Spike	DRO	3243.00		mg/kg	350	2868.20	107	70 - 130		
Matrix Spike	ORO	491.57		mg/kg	350	<100.00	140	50 - 150		
AA37392										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37393										
LCS	DRO	376.81		mg/kg			108	70 - 130		
LCS	ORO	401.15		mg/kg			115	50 - 150		
AA37394										
LCS	DRO	389.97		mg/kg			111	70 - 130		
LCS	ORO	414.18		mg/kg			118	50 - 150		
EC_PH-13126										
AA36735										
Dup	EC, soil	0.74	0.0005	mmhos/cm		0.74			<%MDL%	- 5
Dup	pH soil Temperature	21.60		°C		21.20				
Dup	pH, soil	8.27	0.01	SU		8.27			<%MDL%	- 5
AA36929										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36930										
LCS	EC, soil	9.65	0.0005	mmhos/cm			96.5	85 - 115		
LCS	pH, soil	6.89	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

Division of Environmental Testing
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800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.100		mg/kg			100	50 - 150		
IS	4-Bromofluorobenzene	0.107		mg/kg			107.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.095		mg/kg			95.00	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.095		mg/kg			95.00	50 - 150		
IS	4-Bromofluorobenzene	0.130		mg/kg			130.0	50 - 150		
IS	Acenaphathene-d10	0.090		mg/kg			90.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.090		mg/kg			90.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.00	50 - 150		
IS	Phenanthrene-d10	0.091		mg/kg			91.00	50 - 150		
IS	Toluene-d8	0.130		mg/kg			130.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.120		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.086		mg/kg			86.00	50 - 150		
IS	Chrysene-d12	0.089		mg/kg			89.00	50 - 150		
IS	Naphthalene-d8	0.086		mg/kg			86.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.00	50 - 150		
IS	Phenanthrene-d10	0.088		mg/kg			88.00	50 - 150		
IS	Toluene-d8	0.120		mg/kg			120.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.124		mg/kg			124.00	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.133		mg/kg			133.00	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.00	50 - 150		
IS	Perylenel-d12	0.120		mg/kg			120.0	50 - 150		
IS	Phenanthrene-d10	0.100		mg/kg			100	50 - 150		
IS	Toluene-d8	0.118		mg/kg			118.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.140		mg/kg			140.0	50 - 150		
IS	4-Bromofluorobenzene	0.112		mg/kg			112.00	50 - 150		
IS	Acenaphathene-d10	0.148		mg/kg			148.00	50 - 150		
IS	Chrysene-d12	0.164		mg/kg			164.00	50 - 150		
IS	Naphthalene-d8	0.143		mg/kg			143.00	50 - 150		
IS	Perylenel-d12	0.167		mg/kg			167.00	50 - 150		
IS	Phenanthrene-d10	0.160		mg/kg			160.0	50 - 150		
IS	Toluene-d8	0.117		mg/kg			117.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.115		mg/kg			115.00	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.00	50 - 150		
IS	Chrysene-d12	0.110		mg/kg			110.0	50 - 150		
IS	Naphthalene-d8	0.096		mg/kg			96.00	50 - 150		
IS	Perylenel-d12	0.113		mg/kg			113.00	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.108		mg/kg			108.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.114		mg/kg			114.00	50 - 150		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.092		mg/kg			92.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.105		mg/kg			105.00	50 - 150		
IS	Acenaphathene-d10	0.103		mg/kg			103.00	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100	50 - 150		
IS	Naphthalene-d8	0.094		mg/kg			94.00	50 - 150		
IS	Perylenel-d12	0.114		mg/kg			114.00	50 - 150		
IS	Phenanthrene-d10	0.095		mg/kg			95.00	50 - 150		
IS	Toluene-d8	0.101		mg/kg			101.00	50 - 150		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphthene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	1.83		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0059		mg/kg			59.00	50 - 150		
AA37507										
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	<0.223		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						
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 17:58

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		
LCS	Toluene	0.061		mg/kg			122	70 - 130		
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	2.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

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

December 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36736 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	Analysis Requested: pH	Analysis Requested: EC
1	AU_178_WHB2@5'	11/11/25	8:50	3			✔			✔		✔	✔	✔
2														
3														
4														
5														
6														
7														
8														
9														
10														

Interim report requested: ☐ Yes ☑ No

Notes:
RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA36736-1

Relinquished By: [signature]
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
DJ²

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-027
AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected	Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36736-1	AU_178_WHB2@5'	**Collected :** 11/11/2025	08:50				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:16		0.78	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:16		21.50	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:16		8.35	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	1.65	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	4.43	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	4.15	No Unit		EPA 6020B
AA36736-2	AU_178_WHB2@5'	**Collected :** 11/11/2025	08:50				
Chromium VI, Soil	11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/24/2025	07:58		0.33	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/24/2025	13:03	10.00	2.75	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/24/2025	13:03	10.00	125.02	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/24/2025	13:03	10.00	0.09	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/24/2025	13:03	10.00	5.09	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/24/2025	13:03	10.00	4.69	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/24/2025	13:03	10.00	4.86	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium	11/24/2025	13:03	10.00	1.59	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	11/24/2025	13:03	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc	11/24/2025	13:03	10.00	15.82	mg/kg	0.025	EPA 6020B
AA36736-3	AU_178_WHB2@5'	**Collected :** 11/11/2025	08:50				
DRO & ORO, Soil - DRO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/26/2025	08:22		<100.00	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthylene	11/19/2025	16:48		ND	mg/kg		EPA 8270
SVOC, Soils - Anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(g,h,i)perylene	11/19/2025	16:48		ND	mg/kg		EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	11/19/2025	16:48		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Phenanthrene	11/19/2025	16:48		ND	mg/kg		EPA 8270
SVOC, Soils - Pyrene	11/19/2025	16:48		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/21/2025	08:52		Not Detected	mg/kg	0.0015	EPA 8260

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Customer ID / Analyte Name	Collected / Result Date/Time	Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - Ethylbenzene	11/21/2025 08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/21/2025 08:52		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/21/2025 08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/21/2025 08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/21/2025 08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/21/2025 08:52		<0.0043	mg/kg	0.0043	EPA 8260

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	80 - 120		

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FINAL RESULTS REPORT

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-13274										
AA37168										
Dup	DRO	3214.83				2868.20			0.872	- 30
Dup	ORO	506.91				<100.00			3.07	- 50
Matrix Spike	DRO	3243.00		mg/kg	350	2868.20	107	70 - 130		
Matrix Spike	ORO	491.57		mg/kg	350	<100.00	140	50 - 150		
AA37392										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37393										
LCS	DRO	376.81		mg/kg			108	70 - 130		
LCS	ORO	401.15		mg/kg			115	50 - 150		
AA37394										
LCS	DRO	389.97		mg/kg			111	70 - 130		
LCS	ORO	414.18		mg/kg			118	50 - 150		
EC_PH-13126										
AA36735										
Dup	EC, soil	0.74	0.0005	mmhos/cm		0.74			<%MDL%	- 5
Dup	pH soil Temperature	21.60		°C		21.20				
Dup	pH, soil	8.27	0.01	SU		8.27			<%MDL%	- 5
AA36929										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36930										
LCS	EC, soil	9.65	0.0005	mmhos/cm			96.5	85 - 115		
LCS	pH, soil	6.89	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

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FINAL RESULTS REPORT

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.100		mg/kg			100	50 - 150		
IS	4-Bromofluorobenzene	0.107		mg/kg			107.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.095		mg/kg			95.00	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.095		mg/kg			95.00	50 - 150		
IS	4-Bromofluorobenzene	0.130		mg/kg			130.0	50 - 150		
IS	Acenaphathene-d10	0.090		mg/kg			90.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.090		mg/kg			90.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.00	50 - 150		
IS	Phenanthrene-d10	0.091		mg/kg			91.00	50 - 150		
IS	Toluene-d8	0.130		mg/kg			130.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.120		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.086		mg/kg			86.00	50 - 150		
IS	Chrysene-d12	0.089		mg/kg			89.00	50 - 150		
IS	Naphthalene-d8	0.086		mg/kg			86.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.00	50 - 150		
IS	Phenanthrene-d10	0.088		mg/kg			88.00	50 - 150		
IS	Toluene-d8	0.120		mg/kg			120.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.124		mg/kg			124.00	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.133		mg/kg			133.00	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.00	50 - 150		
IS	Perylenel-d12	0.120		mg/kg			120.0	50 - 150		
IS	Phenanthrene-d10	0.100		mg/kg			100	50 - 150		
IS	Toluene-d8	0.118		mg/kg			118.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.140		mg/kg			140.0	50 - 150		
IS	4-Bromofluorobenzene	0.112		mg/kg			112.00	50 - 150		
IS	Acenaphathene-d10	0.148		mg/kg			148.00	50 - 150		
IS	Chrysene-d12	0.164		mg/kg			164.00	50 - 150		
IS	Naphthalene-d8	0.143		mg/kg			143.00	50 - 150		
IS	Perylenel-d12	0.167		mg/kg			167.00	50 - 150		
IS	Phenanthrene-d10	0.160		mg/kg			160.0	50 - 150		
IS	Toluene-d8	0.117		mg/kg			117.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.115		mg/kg			115.00	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.00	50 - 150		
IS	Chrysene-d12	0.110		mg/kg			110.0	50 - 150		
IS	Naphthalene-d8	0.096		mg/kg			96.00	50 - 150		
IS	Perylenel-d12	0.113		mg/kg			113.00	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.108		mg/kg			108.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.114		mg/kg			114.00	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.092		mg/kg			92.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.105		mg/kg			105.00	50 - 150		
IS	Acenaphathene-d10	0.103		mg/kg			103.00	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100	50 - 150		
IS	Naphthalene-d8	0.094		mg/kg			94.00	50 - 150		
IS	Perylenel-d12	0.114		mg/kg			114.00	50 - 150		
IS	Phenanthrene-d10	0.095		mg/kg			95.00	50 - 150		
IS	Toluene-d8	0.101		mg/kg			101.00	50 - 150		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphthene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	8.83		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0059		mg/kg			59.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0054		mg/kg			54.00	50 - 150		
IS	Toluene-d8	0.0057		mg/kg			57.00	50 - 150		
AA37507										
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	<0.223		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						
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:01

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		
LCS	Toluene	0.061		mg/kg			122	70 - 130		
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	2.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

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

December 08, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36737 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: SAR	Analysis Requested: pH	Analysis Requested: EC
1	AU_178_WHB3@2'	11/11/25	9:00	3			✔			✔		✔	✔	✔
2														
3														
4														
5														
6														
7														
8														
9														
10														

Interim report requested: ☐ Yes ✔ No

Notes

RUSH
SAR, pH, EC
HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW

AA36737-1

Relinquished By: BL
Date/Time: 11/12/2025 9:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
DJ2

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-11-12-029

AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:02

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36737-1	AU_178_WHB3@2'	**Collected :** 11/11/2025	09:00				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:16		0.36	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:16		21.60	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:16		8.17	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	1.94	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	0.69	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	0.61	No Unit		EPA 6020B
AA36737-2	AU_178_WHB3@2'	**Collected :** 11/11/2025	09:00				
DRO & ORO, Soil - DRO	11/26/2025	08:22		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/26/2025	08:22		<100.00	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	12/02/2025	17:53		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	12/02/2025	17:53		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/21/2025	08:52		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/21/2025	08:52		Not Detected	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/21/2025	08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/21/2025	08:52		<0.0043	mg/kg	0.0043	EPA 8260
AA36737-3	AU_178_WHB3@2'	**Collected :** 11/11/2025	09:00				
Chromium VI, Soil	11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/24/2025	07:58		0.09	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/24/2025	13:03	10.00	3.71	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/24/2025	13:03	10.00	181.81	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/24/2025	13:03	10.00	0.14	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/24/2025	13:03	10.00	6.98	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/24/2025	13:03	10.00	7.91	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/24/2025	13:03	10.00	7.26	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Customer ID / Analyte Name	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium	11/24/2025	13:03	10.00	2.16	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	11/24/2025	13:03	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc	11/24/2025	13:03	10.00	28.16	mg/kg	0.025	EPA 6020B

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	80 - 120		

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-13274										
AA37168										
Dup	DRO	3214.83				2868.20			0.872	- 30
Dup	ORO	506.91				<100.00			3.07	- 50
Matrix Spike	DRO	3243.00		mg/kg	350	2868.20	107	70 - 130		
Matrix Spike	ORO	491.57		mg/kg	350	<100.00	140	50 - 150		
AA37392										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37393										
LCS	DRO	376.81		mg/kg			108	70 - 130		
LCS	ORO	401.15		mg/kg			115	50 - 150		
AA37394										
LCS	DRO	389.97		mg/kg			111	70 - 130		
LCS	ORO	414.18		mg/kg			118	50 - 150		
EC_PH-13126										
AA36735										
Dup	EC, soil	0.74	0.0005	mmhos/cm		0.74			<%MDL%	- 5
Dup	pH soil Temperature	21.60		°C		21.20				
Dup	pH, soil	8.27	0.01	SU		8.27			<%MDL%	- 5
AA36929										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36930										
LCS	EC, soil	9.65	0.0005	mmhos/cm			96.5	85 - 115		
LCS	pH, soil	6.89	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.100		mg/kg			100	50 - 150		
IS	4-Bromofluorobenzene	0.107		mg/kg			107.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.095		mg/kg			95.00	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.095		mg/kg			95.00	50 - 150		
IS	4-Bromofluorobenzene	0.130		mg/kg			130.0	50 - 150		
IS	Acenaphathene-d10	0.090		mg/kg			90.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.090		mg/kg			90.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.00	50 - 150		
IS	Phenanthrene-d10	0.091		mg/kg			91.00	50 - 150		
IS	Toluene-d8	0.130		mg/kg			130.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.120		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.086		mg/kg			86.00	50 - 150		
IS	Chrysene-d12	0.089		mg/kg			89.00	50 - 150		
IS	Naphthalene-d8	0.086		mg/kg			86.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.00	50 - 150		
IS	Phenanthrene-d10	0.088		mg/kg			88.00	50 - 150		
IS	Toluene-d8	0.120		mg/kg			120.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.124		mg/kg			124.00	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.133		mg/kg			133.00	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.00	50 - 150		
IS	Perylenel-d12	0.120		mg/kg			120.0	50 - 150		
IS	Phenanthrene-d10	0.100		mg/kg			100	50 - 150		
IS	Toluene-d8	0.118		mg/kg			118.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.140		mg/kg			140.0	50 - 150		
IS	4-Bromofluorobenzene	0.112		mg/kg			112.00	50 - 150		
IS	Acenaphathene-d10	0.148		mg/kg			148.00	50 - 150		
IS	Chrysene-d12	0.164		mg/kg			164.00	50 - 150		
IS	Naphthalene-d8	0.143		mg/kg			143.00	50 - 150		
IS	Perylenel-d12	0.167		mg/kg			167.00	50 - 150		
IS	Phenanthrene-d10	0.160		mg/kg			160.0	50 - 150		
IS	Toluene-d8	0.117		mg/kg			117.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.115		mg/kg			115.00	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.00	50 - 150		
IS	Chrysene-d12	0.110		mg/kg			110.0	50 - 150		
IS	Naphthalene-d8	0.096		mg/kg			96.00	50 - 150		
IS	Perylenel-d12	0.113		mg/kg			113.00	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.108		mg/kg			108.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.098		mg/kg			98.00	50 - 150		
IS	4-Bromofluorobenzene	0.114		mg/kg			114.00	50 - 150		

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Aurora, CO 80045
800-440-5184

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:02

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Acenaphathene-d10	0.109		mg/kg			109.00	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.092		mg/kg			92.00	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.111		mg/kg			111.00	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.089		mg/kg			89.00	50 - 150		
IS	4-Bromofluorobenzene	0.105		mg/kg			105.00	50 - 150		
IS	Acenaphathene-d10	0.103		mg/kg			103.00	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100	50 - 150		
IS	Naphthalene-d8	0.094		mg/kg			94.00	50 - 150		
IS	Perylenel-d12	0.114		mg/kg			114.00	50 - 150		
IS	Phenanthrene-d10	0.095		mg/kg			95.00	50 - 150		
IS	Toluene-d8	0.101		mg/kg			101.00	50 - 150		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:02

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphthene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 12/8/2025
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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	18.3		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0059		mg/kg			59.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0054		mg/kg			54.00	50 - 150		
IS	Toluene-d8	0.0057		mg/kg			57.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0071		mg/kg			71.00	50 - 150		
IS	Dibromofluoromethane	0.0068		mg/kg			68.00	50 - 150		
IS	Toluene-d8	0.0070		mg/kg			70.0	50 - 150		
AA37507										
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	<0.223		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						

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:02

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		
LCS	Toluene	0.061		mg/kg			122	70 - 130		
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	2.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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December 08, 2025

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Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason, Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on November 12, 2025. This is associated with Elevation's number AA36738 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-8599
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Dylan Mullins

					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	SAR	pH	EC						☐ Yes ☑ No
1	AU_178_WHB3@5'	11/11/25	9:10	3	☐	☐	☑	☐	☐	☑	☐	☑	☑	☑	☐	☐	☐	☐	☐	Notes: *RUSH* SAR, pH, EC *HOLD FOR REMAINING ANALYSES UNTIL AE2 REVIEW*
2					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	AA36738-1
3					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
4					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
5					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
6					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
7					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
8					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
9					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
10					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Relinquished By:	Relinquished By:	Relinquished By:	Scan to Deliver Samples
Date/Time: 11/12/2025 9:30	Date/Time:	Date/Time:	

Lab Use Only

Observed Temperature Upon Receipt: 4.4°C
Corrected Temperature Upon Receipt: 4.1°C
Thermometer #: EDX EQ 351 DJ²
Correction Factor: -0.3°C

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

2025-11-12-029
Lot/EQM Number: NA
AN
Name/Lot Number of Adjustment: NA

EFOR-008.005

Division of Environmental Testing
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Aurora, CO 80045
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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA36738-1	AU_178_WHB3@5'	**Collected :** 11/11/2025	09:10				
EC & pH soil by saturated paste - EC, soil	11/14/2025	14:16		0.53	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature	11/14/2025	14:16		21.60	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil	11/14/2025	14:16		8.46	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	11/17/2025	08:28	10.00	0.97	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	11/17/2025	08:28	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	11/17/2025	08:28	10.00	3.55	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	11/17/2025	08:28	10.00	4.39	No Unit		EPA 6020B
AA36738-2	AU_178_WHB3@5'	**Collected :** 11/11/2025	09:10				
DRO & ORO, Soil - DRO	11/21/2025	15:06		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	11/21/2025	15:06		Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	12/02/2025	17:53		<0.00313 - MS	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	12/02/2025	17:53		Not Detected - MS	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	12/02/2025	17:53		Not Detected - MS	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	12/02/2025	17:53		Not Detected - MS	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	12/02/2025	17:53		Not Detected - MS	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	12/02/2025	17:53		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	12/02/2025	17:53		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	11/21/2025	08:52		<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	11/21/2025	08:52		Not Detected	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	11/21/2025	08:52		<0.223	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	11/21/2025	08:52		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	11/21/2025	08:52		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	11/21/2025	08:52		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	11/21/2025	08:52		<0.0043	mg/kg	0.0043	EPA 8260
AA36738-3	AU_178_WHB3@5'	**Collected :** 11/11/2025	09:10				
Chromium VI, Soil	11/20/2025	16:50		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	11/24/2025	07:58		0.20	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	11/24/2025	13:03	10.00	2.89	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	11/24/2025	13:03	10.00	134.14	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	11/24/2025	13:03	10.00	0.09	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	11/24/2025	13:03	10.00	5.69	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	11/24/2025	13:03	10.00	5.46	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	11/24/2025	13:03	10.00	5.78	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Customer ID / Analyte Name	Collected / Result Date/Time		Dilution	Result	Units	MDL	Method Ref. / Recovery
Total Metals, Soils - Selenium	11/24/2025	13:03	10.00	1.64	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	11/24/2025	13:03	10.00	<0.03	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Zinc	11/24/2025	13:03	10.00	18.81	mg/kg	0.025	EPA 6020B

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FINAL RESULTS REPORT

Report Date : 12/8/2025
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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-13341										
DUP	AA37401	2.36	0.050	mg/kg					12.3	-15 - 15
MB	AA37516	0.01		mg/kg						
LCS	AA37517	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA37518	9.51		mg/kg	9.00		106	80 - 120		
CHROM_VI_SOIL-13235										
DUP	AA36726	<0.08	0.080	mg/kg						
MB	AA37284	0.00		mg/kg						
LCS	AA37286	1.50		mg/kg	1.57		95.5	80 - 120		
LCS	AA37287	1.46		mg/kg	1.56		93.6	80 - 120		

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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-13304										
AA37397										
Dup	DRO	347.42				<100.00			8.48	- 30
Dup	ORO	375.05				<100.00			5.43	- 50
Matrix Spike	DRO	378.17		mg/kg	350	<100.00	108	70 - 130		
Matrix Spike	ORO	395.99		mg/kg	350	<100.00	113	50 - 150		
AA37441										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA37442										
LCS	DRO	385.69		mg/kg			110	70 - 130		
LCS	ORO	394.50		mg/kg			113	50 - 150		
AA37443										
LCS	DRO	374.36		mg/kg			107	70 - 130		
LCS	ORO	381.44		mg/kg			109	50 - 150		
EC_PH-13126										
AA36735										
Dup	EC, soil	0.74	0.0005	mmhos/cm		0.74			<%MDL%	- 5
Dup	pH soil Temperature	21.60		°C		21.20				
Dup	pH, soil	8.27	0.01	SU		8.27			<%MDL%	- 5
AA36929										
LCS	EC, soil	9.62	0.0005	mmhos/cm			96.2	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
AA36930										
LCS	EC, soil	9.65	0.0005	mmhos/cm			96.5	85 - 115		
LCS	pH, soil	6.89	0.01	SU			100	85 - 115		
METALS_S-13271										
AA36726										
Dup	Arsenic	4.47	0.025	mg/kg		4.16			7.18	0 - 15
Dup	Barium	224.81	0.025	mg/kg		209.23			7.18	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.20			<%MDL%	0 - 15
Dup	Copper	10.07	0.025	mg/kg		9.86			2.11	0 - 15
Dup	Lead	9.99	0.025	mg/kg		10.02			0.300	0 - 15
Dup	Nickel	9.51	0.025	mg/kg		9.62			1.15	0 - 15
Dup	Selenium	2.70	0.025	mg/kg		2.83			4.70	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	35.34	0.025	mg/kg		36.82			4.10	0 - 15
Matrix Spike	Arsenic	23.78		mg/kg	20	4.16	98.1	80 - 120		
Matrix Spike	Barium	227.16		mg/kg	20	209.23	89.6	80 - 120		
Matrix Spike	Cadmium	17.85		mg/kg	20	0.20	88.2	80 - 120		
Matrix Spike	Copper	27.14		mg/kg	20	9.86	86.4	80 - 120		
Matrix Spike	Lead	29.61		mg/kg	20	10.02	98.0	80 - 120		
Matrix Spike	Nickel	28.36		mg/kg	20	9.62	93.7	80 - 120		
Matrix Spike	Selenium	21.11		mg/kg	20	2.83	91.4	80 - 120		
Matrix Spike	Silver	17.20		mg/kg	20	<0.25	86.0	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.04		mg/kg	20	36.82	101	80 - 120		
AA37382										
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						
AA37384										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA37385										
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	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13131										
AA36722										
Dup	Calcium	5.81		mEq/L	0.857	5.86			0.857	- 20
Dup	Magnesium	1.71		mEq/L	2.31	1.75			2.31	- 20
Dup	Sodium	14.74		mEq/L	3.60	15.28			3.60	- 20
Dup	Sodium Adsorption Ratio	7.60		mEq/L	2.98	7.83			2.98	- 20
AA36735										
Dup	Calcium	2.39		mEq/L	2.39	2.34			2.11	- 20
Dup	Magnesium	1.00		mEq/L	1.00	0.95			5.13	- 20
Dup	Sodium	2.84		mEq/L	2.84	2.70			5.05	- 20
Dup	Sodium Adsorption Ratio	2.20		mEq/L	2.20	2.14			2.76	- 20
AA36931										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsoprtion Ratio	0.02								
AA36932										
LCS	Calcium	9.80		ppm			98.0	80 - 120		
LCS	Magnesium	9.78		ppm			97.8	80 - 120		
LCS	Sodium	9.55		ppm			95.5	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		
AA36933										
LCS	Calcium	489.72		ppm			97.9	80 - 120		
LCS	Magnesium	513.40		ppm			103	80 - 120		
LCS	Sodium	500.71		ppm			100	80 - 120		
LCS	Sodium Adsorption Ratio	3.77		ppm			99.7	80 - 120		
SVOC_SOIL-13270										
AA36738										
Dup	1-methylnaphthalene	0.213	0.00313	mg/kg		<0.00313			2.38	- 30
Dup	2-methylnaphthalene	0.235	0.010	mg/kg		Not Detected			2.11	- 30
Dup	Acenaphthene	0.249	0.010	mg/kg		Not Detected			4.52	- 30
Dup	Anthracene	0.217	0.010	mg/kg		Not Detected			35.9	- 30
Dup	Benz(a)anthracene	0.339	0.010	mg/kg		Not Detected			23.8	- 30
Dup	Benzo(a)pyrene	0.280	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Benzo(b)fluoranthene	0.303	0.010	mg/kg		Not Detected			20.8	- 30
Dup	Benzo(k)fluoranthene	0.256	0.010	mg/kg		Not Detected			28.6	- 30
Dup	Chrysene	0.310	0.010	mg/kg		Not Detected			22.6	- 30
Dup	Dibenz(a,h)anthracene	0.267	0.010	mg/kg		Not Detected			25.8	- 30
Dup	Fluoranthene	0.314	0.010	mg/kg		Not Detected			8.29	- 30
Dup	Fluorene	0.255	0.010	mg/kg		Not Detected			8.16	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.264	0.010	mg/kg		Not Detected			26.6	- 30
Dup	Naphthalene	0.208	0.00306	mg/kg		Not Detected			0.957	- 30
Dup	Pyrene	0.295	0.010	mg/kg		Not Detected			6.65	- 30
Matrix Spike	1-methylnaphthalene	0.208	0.00313	mg/kg	0.300	<0.00313	69.3	70 - 130		
Matrix Spike	2-methylnaphthalene	0.240	0.010	mg/kg	0.300	Not Detected	80.0	70 - 130		
Matrix Spike	Acenaphthene	0.238	0.010	mg/kg	0.300	Not Detected	79.3	70 - 130		
Matrix Spike	Anthracene	0.151	0.010	mg/kg	0.300	Not Detected	50.3	70 - 130		
Matrix Spike	Benz(a)anthracene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.216	0.010	mg/kg	0.300	Not Detected	72.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.192	0.010	mg/kg	0.300	Not Detected	64.0	70 - 130		
Matrix Spike	Chrysene	0.247	0.010	mg/kg	0.300	Not Detected	82.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.206	0.010	mg/kg	0.300	Not Detected	68.7	70 - 130		
Matrix Spike	Fluoranthene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Fluorene	0.235	0.010	mg/kg	0.300	Not Detected	78.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.202	0.010	mg/kg	0.300	Not Detected	67.3	70 - 130		
Matrix Spike	Naphthalene	0.210	0.00306	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Pyrene	0.276	0.010	mg/kg	0.300	Not Detected	92.0	70 - 130		
AA37378										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						

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FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Acenaphthene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.113		mg/kg			113.00	50 - 150		
IS	4-Bromofluorobenzene	0.131		mg/kg			131.00	50 - 150		
IS	Acenaphathene-d10	0.097		mg/kg			97.00	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.00	50 - 150		
IS	Naphthalene-d8	0.110		mg/kg			110.0	50 - 150		
IS	Perylenel-d12	0.109		mg/kg			109.00	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Toluene-d8	0.138		mg/kg			138.00	50 - 150		
AA37379										
LCS	1-methylnaphthalene	0.230	0.00313	mg/kg			76.7	70 - 130		
LCS	2-methylnaphthalene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Acenaphthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Anthracene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Benz(a)anthracene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Benzo(a)pyrene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.270	0.010	mg/kg			90.0	70 - 130		
LCS	Chrysene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Dibenz(a,h)anthracene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Fluoranthene	0.384	0.010	mg/kg			128	70 - 130		
LCS	Fluorene	0.221	0.010	mg/kg			73.7	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.279	0.010	mg/kg			93.0	70 - 130		
LCS	Naphthalene	0.237	0.00306	mg/kg			79.0	70 - 130		
LCS	Pyrene	0.375	0.010	mg/kg			125	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.00	50 - 150		
IS	4-Bromofluorobenzene	0.104		mg/kg			104.00	50 - 150		
IS	Acenaphathene-d10	0.093		mg/kg			93.00	50 - 150		
IS	Chrysene-d12	0.109		mg/kg			109.00	50 - 150		
IS	Naphthalene-d8	0.099		mg/kg			99.00	50 - 150		
IS	Perylenel-d12	0.110		mg/kg			110.0	50 - 150		
IS	Phenanthrene-d10	0.101		mg/kg			101.00	50 - 150		
IS	Toluene-d8	0.106		mg/kg			106.00	50 - 150		
AA37380										
LCS	1-methylnaphthalene	0.247	0.00313	mg/kg			82.3	70 - 130		

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FINAL RESULTS REPORT

Report Date : 12/8/2025
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Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	2-methylnaphthalene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Acenaphthene	0.303	0.010	mg/kg			101	70 - 130		
LCS	Anthracene	0.240	0.010	mg/kg			80.0	70 - 130		
LCS	Benz(a)anthracene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.289	0.010	mg/kg			96.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Chrysene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Dibenz(a,h)anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	Naphthalene	0.231	0.00306	mg/kg			77.0	70 - 130		
LCS	Pyrene	0.293	0.010	mg/kg			97.7	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	4-Bromofluorobenzene	0.096		mg/kg			96.00	50 - 150		
IS	Acenaphathene-d10	0.107		mg/kg			107.00	50 - 150		
IS	Chrysene-d12	0.091		mg/kg			91.00	50 - 150		
IS	Naphthalene-d8	0.101		mg/kg			101.00	50 - 150		
IS	Perylenel-d12	0.090		mg/kg			90.0	50 - 150		
IS	Phenanthrene-d10	0.099		mg/kg			99.00	50 - 150		
IS	Toluene-d8	0.094		mg/kg			94.00	50 - 150		
VOC_S-13338										
AA36726										
Dup	1,2,4-trimethylbenzene	0.055	0.0016	mg/kg		<0.0016			3.70	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.71	- 30
Dup	Benzene	0.072	0.0015	mg/kg		<0.0015			8.70	- 30
Dup	Ethylbenzene	0.060	0.0014	mg/kg		<0.0014			<%MDL%	- 30
Dup	Gasoline Range Organics	8.07	0.223	mg/kg		<0.223			12.3	
Dup	m&p- xylene	0.12	0.0029	mg/kg		<0.0029			<%MDL%	- 30
Dup	o-xylene	0.064	0.0014	mg/kg		<0.0014			6.45	- 30
Dup	Toluene	0.067	0.0016	mg/kg		<0.0016			4.58	- 30
Dup	Xylenes, total	0.18	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.053		mg/kg	0.050	<0.0016	106	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.051		mg/kg	0.050	<0.0015	102	70 - 130		
Matrix Spike	Benzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Ethylbenzene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Gasoline Range Organics	8.83		mg/kg	2.54	<0.223	72.0			
Matrix Spike	m&p- xylene	0.12		mg/kg	0.100	<0.0029	120	70 - 130		
Matrix Spike	o-xylene	0.060		mg/kg	0.050	<0.0014	120	70 - 130		
Matrix Spike	Toluene	0.064		mg/kg	0.050	<0.0016	128	70 - 130		
Matrix Spike	Xylenes, total	0.18		mg/kg	0.150	<0.0043	120	70 - 130		
IS	1,2-dichloroethane-d4	0.0057		mg/kg			57.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0056		mg/kg			56.00	50 - 150		
IS	Toluene-d8	0.0053		mg/kg			53.00	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	0.0056		mg/kg			56.00	50 - 150		
IS	4-bromofluorobenzene	ND		mg/kg			ND	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0054		mg/kg			54.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0057		mg/kg			57.00	50 - 150		
IS	Toluene-d8	0.0059		mg/kg			59.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0051		mg/kg			51.00	50 - 150		
IS	Dibromofluoromethane	0.0054		mg/kg			54.00	50 - 150		
IS	Toluene-d8	0.0057		mg/kg			57.00	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0071		mg/kg			71.00	50 - 150		
IS	Dibromofluoromethane	0.0068		mg/kg			68.00	50 - 150		
IS	Toluene-d8	0.0070		mg/kg			70.0	50 - 150		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0050		mg/kg			50.0	50 - 150		
IS	Dibromofluoromethane	0.0058		mg/kg			58.00	50 - 150		
IS	Toluene-d8	0.0063		mg/kg			63.00	50 - 150		
AA37507										
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	<0.223		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						
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0090		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.0080		mg/kg			80.0	50 - 150		
IS	Toluene-d8	0.0087		mg/kg			87.00	50 - 150		
AA37508										
LCS	1,2,4-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	1,3,5-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Benzene	0.065		mg/kg			130	70 - 130		
LCS	Ethylbenzene	0.055		mg/kg			110	70 - 130		
LCS	Gasoline Range Organics	2.56		mg/kg			101			
LCS	m&p- xylene	0.11		mg/kg			110	70 - 130		
LCS	o-xylene	0.060		mg/kg			120	70 - 130		
LCS	Toluene	0.061		mg/kg			122	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 12/8/2025
Report Time : 18:03

Project Manager: Joel Mason, Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Xylenes, total	0.17		mg/kg			113	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.0097		mg/kg			97.00	50 - 150		
IS	Dibromofluoromethane	0.010		mg/kg			100	50 - 150		
IS	Toluene-d8	0.0099		mg/kg			99.00	50 - 150		
AA37509										
LCS	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,3,5-trimethylbenzene	0.048		mg/kg			96.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	Gasoline Range Organics	2.40		mg/kg			94.5			
LCS	m&p- xylene	0.097		mg/kg			97.0	70 - 130		
LCS	o-xylene	0.055		mg/kg			110	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.15		mg/kg			100	70 - 130		
IS	1,2-dichloroethane-d4	ND		mg/kg			ND	50 - 150		
IS	4-bromofluorobenzene	0.010		mg/kg			100	50 - 150		
IS	Dibromofluoromethane	0.0098		mg/kg			98.00	50 - 150		
IS	Toluene-d8	0.010		mg/kg			100	50 - 150		

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

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

December 29, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on December 17, 2025. This is associated with Elevation's number AA39144 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

					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	VOCs ONLY								☐ Yes ☑ No
																				Notes
1	AU_178_WHB_E@2'R	12/16/2025	9:10	3			✔			✔		✔								AA391441-1
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Relinquished By: D. Mullins
Date/Time: 12/17/2025 09:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 5.2°C
Corrected Temperature Upon Receipt: 4.9°C
Thermometer #: EDX EQ351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No
pH Checked: Yes (No) NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-12-17-014
Lot/EQM Number: NA
AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:01

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected / Dilution	Result	Units	RL	Method Ref. / Recovery
AA39144-1	AU_178_WHB_E@2'R	**Collected :** 12/16/2025 09:10				
VOC, Soils - 1,2,4-trimethylbenzene	12/19/2025	14:55	<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	12/19/2025	14:55	<0.0015 - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	12/19/2025	14:55	Not Detected - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	12/19/2025	14:55	<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	12/19/2025	14:55	Not Detected - S	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	12/19/2025	14:55	<0.0029 - S	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	12/19/2025	14:55	<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	12/19/2025	14:55	<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	12/19/2025	14:55	<0.0043 - S	mg/kg	0.0043	EPA 8260
IS - 1,2-dichloroethane-d4	12/19/2025	14:55	ND	mg/kg		ND
IS - 4-bromofluorobenzene	12/19/2025	14:55	ND	mg/kg		ND
IS - Dibromofluoromethane	12/19/2025	14:55	0.018	mg/kg		45.00
IS - Toluene-d8	12/19/2025	14:55	0.020	mg/kg		50.0

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:01

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
VOC_S-13984										
AA39106										
Dup	1,2,4-trimethylbenzene	0.037	0.0016	mg/kg		<0.0016			5.56	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.41	- 30
Dup	Benzene	0.052	0.0015	mg/kg		Not Detected			9.17	- 30
Dup	Ethylbenzene	0.051	0.0014	mg/kg		<0.0014			5.71	- 30
Dup	Gasoline Range Organics	2.84	0.223	mg/kg		0.229			0.702	
Dup	m&p- xylene	0.091	0.0029	mg/kg		<0.0029			3.24	- 30
Dup	o-xylene	0.046	0.0014	mg/kg		<0.0014			4.26	- 30
Dup	Toluene	0.048	0.0016	mg/kg		<0.0016			6.06	- 30
Dup	Xylenes, total	0.14	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.035		mg/kg	0.050	<0.0016	70.0	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.057		mg/kg	0.050	<0.0015	114	70 - 130		
Matrix Spike	Benzene	0.057		mg/kg	0.050	Not Detected	114	70 - 130		
Matrix Spike	Ethylbenzene	0.054		mg/kg	0.050	<0.0014	108	70 - 130		
Matrix Spike	Gasoline Range Organics	2.86		mg/kg	2.54	0.229	104			
Matrix Spike	m&p- xylene	0.094		mg/kg	0.100	<0.0029	94.0	70 - 130		
Matrix Spike	o-xylene	0.048		mg/kg	0.050	<0.0014	96.0	70 - 130		
Matrix Spike	Toluene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	Xylenes, total	0.14		mg/kg	0.150	<0.0043	93.3	70 - 130		
IS	1,2-dichloroethane-d4	0.029		mg/kg			72.500	50 - 150		
IS	Dibromofluoromethane	0.028		mg/kg			70.0	50 - 150		
IS	Toluene-d8	0.028		mg/kg			70.0	50 - 150		
IS	1,2-dichloroethane-d4	0.045		mg/kg			112.500	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.040		mg/kg			100	50 - 150		
IS	1,2-dichloroethane-d4	0.043		mg/kg			107.500	50 - 150		
IS	Dibromofluoromethane	0.039		mg/kg			97.500	50 - 150		
IS	Toluene-d8	0.039		mg/kg			97.500	50 - 150		
IS	1,2-dichloroethane-d4	0.044		mg/kg			110.0	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.041		mg/kg			102.500	50 - 150		
IS	1,2-dichloroethane-d4	0.034		mg/kg			85.00	50 - 150		
IS	Dibromofluoromethane	0.031		mg/kg			77.500	50 - 150		
IS	Toluene-d8	0.034		mg/kg			85.00	50 - 150		
IS	1,2-dichloroethane-d4	0.045		mg/kg			112.500	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.048		mg/kg			120.0	50 - 150		
AA39243										
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						

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:01

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						
IS	1,2-dichloroethane-d4	0.033		mg/kg			82.500	50 - 150		
IS	Dibromofluoromethane	0.030		mg/kg			75.00	50 - 150		
IS	Toluene-d8	0.033		mg/kg			82.500	50 - 150		
AA39244										
LCS	1,2,4-trimethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.046		mg/kg			92.0	70 - 130		
LCS	Benzene	0.046		mg/kg			92.0	70 - 130		
LCS	Ethylbenzene	0.044		mg/kg			88.0	70 - 130		
LCS	Gasoline Range Organics	2.79		mg/kg			110			
LCS	m&p- xylene	0.085		mg/kg			85.0	70 - 130		
LCS	o-xylene	0.040		mg/kg			80.0	70 - 130		
LCS	Toluene	0.041		mg/kg			82.0	70 - 130		
LCS	Xylenes, total	0.13		mg/kg			86.7	70 - 130		
IS	1,2-dichloroethane-d4	0.036		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.036		mg/kg			90.0	50 - 150		
IS	Toluene-d8	0.037		mg/kg			92.500	50 - 150		
AA39245										
LCS	1,2,4-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.043		mg/kg			86.0	70 - 130		
LCS	Benzene	0.043		mg/kg			86.0	70 - 130		
LCS	Ethylbenzene	0.040		mg/kg			80.0	70 - 130		
LCS	Gasoline Range Organics	2.99		mg/kg			118			
LCS	m&p- xylene	0.077		mg/kg			77.0	70 - 130		
LCS	o-xylene	0.038		mg/kg			76.0	70 - 130		
LCS	Toluene	0.038		mg/kg			76.0	70 - 130		
LCS	Xylenes, total	0.12		mg/kg			80.0	70 - 130		
IS	1,2-dichloroethane-d4	0.044		mg/kg			110.0	50 - 150		
IS	Dibromofluoromethane	0.044		mg/kg			110.0	50 - 150		
IS	Toluene-d8	0.043		mg/kg			107.500	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:01

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time	Dilution	Result	Units	RL	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

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

December 29, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on December 17, 2025. This is associated with Elevation's number AA39145 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: VOCs ONLY	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested
1	AU_178_WHB_N@2'R	12/16/2025	9:00	3			✔			✔		✔							
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

AA39145-1

Relinquished By: D. Mathis
Date/Time: 12/17/2025 09:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 5.2°C
Corrected Temperature Upon Receipt: 4.9°C
Thermometer #: FDX EQ351
Correction Factor: -0.3°C
AN

Samples Intact: Yes No
pH Checked: Yes No
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Lot/EQM Number: NA
Name/Lot Number of Adjustment: NA
2025-12-17-015
AN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:02

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected / Dilution	Result	Units	RL	Method Ref. / Recovery
AA39145-1	AU_178_WHB_N@2'R	**Collected :** 12/16/2025 09:00				
VOC, Soils - 1,2,4-trimethylbenzene	12/19/2025	14:55	<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	12/19/2025	14:55	<0.0015 - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	12/19/2025	14:55	Not Detected - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	12/19/2025	14:55	<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	12/19/2025	14:55	Not Detected - S	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	12/19/2025	14:55	<0.0029 - S	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene	12/19/2025	14:55	<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene	12/19/2025	14:55	<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total	12/19/2025	14:55	<0.0043 - S	mg/kg	0.0043	EPA 8260
IS - 1,2-dichloroethane-d4	12/19/2025	14:55	0.024	mg/kg		60.0
IS - 4-bromofluorobenzene	12/19/2025	14:55	ND	mg/kg		ND
IS - Dibromofluoromethane	12/19/2025	14:55	0.022	mg/kg		55.00
IS - Toluene-d8	12/19/2025	14:55	0.023	mg/kg		57.500

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FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:02

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
VOC_S-13984										
AA39106										
Dup	1,2,4-trimethylbenzene	0.037	0.0016	mg/kg		<0.0016			5.56	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			5.41	- 30
Dup	Benzene	0.052	0.0015	mg/kg		Not Detected			9.17	- 30
Dup	Ethylbenzene	0.051	0.0014	mg/kg		<0.0014			5.71	- 30
Dup	Gasoline Range Organics	2.84	0.223	mg/kg		0.229			0.702	
Dup	m&p- xylene	0.091	0.0029	mg/kg		<0.0029			3.24	- 30
Dup	o-xylene	0.046	0.0014	mg/kg		<0.0014			4.26	- 30
Dup	Toluene	0.048	0.0016	mg/kg		<0.0016			6.06	- 30
Dup	Xylenes, total	0.14	0.0043	mg/kg		<0.0043			<%MDL%	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.035		mg/kg	0.050	<0.0016	70.0	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.057		mg/kg	0.050	<0.0015	114	70 - 130		
Matrix Spike	Benzene	0.057		mg/kg	0.050	Not Detected	114	70 - 130		
Matrix Spike	Ethylbenzene	0.054		mg/kg	0.050	<0.0014	108	70 - 130		
Matrix Spike	Gasoline Range Organics	2.86		mg/kg	2.54	0.229	104			
Matrix Spike	m&p- xylene	0.094		mg/kg	0.100	<0.0029	94.0	70 - 130		
Matrix Spike	o-xylene	0.048		mg/kg	0.050	<0.0014	96.0	70 - 130		
Matrix Spike	Toluene	0.051		mg/kg	0.050	<0.0016	102	70 - 130		
Matrix Spike	Xylenes, total	0.14		mg/kg	0.150	<0.0043	93.3	70 - 130		
IS	1,2-dichloroethane-d4	0.029		mg/kg			72.500	50 - 150		
IS	Dibromofluoromethane	0.028		mg/kg			70.0	50 - 150		
IS	Toluene-d8	0.028		mg/kg			70.0	50 - 150		
IS	1,2-dichloroethane-d4	0.045		mg/kg			112.500	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.040		mg/kg			100	50 - 150		
IS	1,2-dichloroethane-d4	0.043		mg/kg			107.500	50 - 150		
IS	Dibromofluoromethane	0.039		mg/kg			97.500	50 - 150		
IS	Toluene-d8	0.039		mg/kg			97.500	50 - 150		
IS	1,2-dichloroethane-d4	0.044		mg/kg			110.0	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.041		mg/kg			102.500	50 - 150		
IS	1,2-dichloroethane-d4	0.034		mg/kg			85.00	50 - 150		
IS	Dibromofluoromethane	0.031		mg/kg			77.500	50 - 150		
IS	Toluene-d8	0.034		mg/kg			85.00	50 - 150		
IS	1,2-dichloroethane-d4	0.045		mg/kg			112.500	50 - 150		
IS	Dibromofluoromethane	0.041		mg/kg			102.500	50 - 150		
IS	Toluene-d8	0.048		mg/kg			120.0	50 - 150		
IS	1,2-dichloroethane-d4									
IS	Dibromofluoromethane	0.018		mg/kg			45.00	50 - 150		
IS	Toluene-d8	0.020		mg/kg			50.0	50 - 150		
AA39243										
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						

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

FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:02

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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						
IS	1,2-dichloroethane-d4	0.033		mg/kg			82.500	50 - 150		
IS	Dibromofluoromethane	0.030		mg/kg			75.00	50 - 150		
IS	Toluene-d8	0.033		mg/kg			82.500	50 - 150		
AA39244										
LCS	1,2,4-trimethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.046		mg/kg			92.0	70 - 130		
LCS	Benzene	0.046		mg/kg			92.0	70 - 130		
LCS	Ethylbenzene	0.044		mg/kg			88.0	70 - 130		
LCS	Gasoline Range Organics	2.79		mg/kg			110			
LCS	m&p- xylene	0.085		mg/kg			85.0	70 - 130		
LCS	o-xylene	0.040		mg/kg			80.0	70 - 130		
LCS	Toluene	0.041		mg/kg			82.0	70 - 130		
LCS	Xylenes, total	0.13		mg/kg			86.7	70 - 130		
IS	1,2-dichloroethane-d4	0.036		mg/kg			90.0	50 - 150		
IS	Dibromofluoromethane	0.036		mg/kg			90.0	50 - 150		
IS	Toluene-d8	0.037		mg/kg			92.500	50 - 150		
AA39245										
LCS	1,2,4-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.043		mg/kg			86.0	70 - 130		
LCS	Benzene	0.043		mg/kg			86.0	70 - 130		
LCS	Ethylbenzene	0.040		mg/kg			80.0	70 - 130		
LCS	Gasoline Range Organics	2.99		mg/kg			118			
LCS	m&p- xylene	0.077		mg/kg			77.0	70 - 130		
LCS	o-xylene	0.038		mg/kg			76.0	70 - 130		
LCS	Toluene	0.038		mg/kg			76.0	70 - 130		
LCS	Xylenes, total	0.12		mg/kg			80.0	70 - 130		
IS	1,2-dichloroethane-d4	0.044		mg/kg			110.0	50 - 150		
IS	Dibromofluoromethane	0.044		mg/kg			110.0	50 - 150		
IS	Toluene-d8	0.043		mg/kg			107.500	50 - 150		

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FINAL RESULTS REPORT

Report Date : 12/29/2025
Report Time : 16:02

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Result Date/Time					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

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

December 30, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on December 17, 2025. This is associated with Elevation's number AA39146 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: Other	Analysis Requested: pH	Analysis Requested: SAR	Analysis Requested: EC	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:
1	AU_178_WHB_W@18'	12/16/2025	10:00	3			✔			✔		✔	✔	✔					
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

RUSH pH, SAR, EC Hold for remaining analyses until AE2 review

AA39146-1

Relinquished By: D Mullins
Date/Time: 12/17/2025 09:30

Relinquished By:
Date/Time:

Relinquished By:
Date/Time:

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 5.2°C
Corrected Temperature Upon Receipt: 4.9°C
Thermometer #: EDX EQ 351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No
pH Checked: Yes (No) Lot/EQM Number: NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
2025-12-17-016
AN
Name/Lot Number of Adjustment: NA

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID / Result Date/Time	Collected	Dilution	Result	Units	RL	Method Ref. / Recovery
AA39146-1	AU_178_WHB_W@18'	**Collected :** 12/16/2025	10:00				
EC & pH soil by saturated paste - EC, soil	12/18/2025	15:42		1.57	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature	12/18/2025	15:42		19.70	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil	12/18/2025	15:42		8.06	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium	12/19/2025	13:01	10.00	3.37	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	12/19/2025	13:01	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	12/19/2025	13:01	10.00	6.54	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	12/19/2025	13:01	10.00	4.52	No Unit		EPA 6020B
AA39146-2	AU_178_WHB_W@18'	**Collected :** 12/16/2025	10:00				
DRO & ORO, Soil - DRO	12/23/2025	13:33		<100.00	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO	12/23/2025	13:33		<100.00	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene	12/23/2025	16:22		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene	12/23/2025	16:22		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
AA39146-3	AU_178_WHB_W@18'	**Collected :** 12/16/2025	10:00				
Chromium VI, Soil	12/29/2025	09:10		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	12/26/2025	09:08		0.38	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	12/27/2025	21:46	10.00	4.92	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	12/27/2025	21:46	10.00	217.41	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	12/27/2025	21:46	10.00	0.18	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	12/27/2025	21:46	10.00	10.79	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	12/27/2025	21:46	10.00	9.48	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	12/27/2025	21:46	10.00	10.07	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium	12/27/2025	21:46	10.00	2.94	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	12/27/2025	21:46	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc	12/27/2025	21:46	10.00	40.68	mg/kg	0.025	EPA 6020B
VOC, Soils - 1,2,4-trimethylbenzene	12/29/2025	14:08		<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	12/29/2025	14:08		<0.0015 - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene	12/29/2025	14:08		Not Detected - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene	12/29/2025	14:08		<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics	12/29/2025	14:08		<0.223 - S	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene	12/29/2025	14:08		<0.0029 - S	mg/kg	0.0029	EPA 8260

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	RL	Method Ref. / Recovery
VOC, Soils - o-xylene		12/29/2025	14:08		Not Detected - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		12/29/2025	14:08		<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		12/29/2025	14:08		<0.0043 - S	mg/kg	0.0043	EPA 8260
IS - 1,2-dichloroethane-d4		12/29/2025	14:08		ND	mg/kg		ND
IS - 1,4-Dichlorobenzene-d4		12/23/2025	17:03		0.097	mg/kg		97.00
IS - 2,4,6-Tribromophenol		12/23/2025	17:03		0.331	mg/kg		110.3
IS - 2-Fluorobiphenyl		12/23/2025	17:03		0.305	mg/kg		101.7
IS - 2-Fluorophenol		12/23/2025	17:03		0.330	mg/kg		110.0
IS - 4-bromofluorobenzene		12/29/2025	14:08		0.012	mg/kg		30.0
IS - Acenaphthene-d10		12/23/2025	17:03		0.100	mg/kg		100.0
IS - Chrysene-d12		12/23/2025	17:03		0.096	mg/kg		96.00
IS - Dibromofluoromethane		12/29/2025	14:08		ND	mg/kg		ND
IS - Naphthalene-d8		12/23/2025	17:03		0.103	mg/kg		103.0
IS - Nitrobenzene-d5		12/23/2025	17:03		0.304	mg/kg		101.3
IS - Perylenel-d12		12/23/2025	17:03		0.099	mg/kg		99.00
IS - Phenanthrene-d10		12/23/2025	17:03		0.102	mg/kg		102.0
IS - Phenol-d6		12/23/2025	17:03		0.310	mg/kg		103.3
IS - Terphenyl-d14		12/23/2025	17:03		0.297	mg/kg		99.00
IS - Toluene-d8		12/29/2025	14:08		0.013	mg/kg		32.500

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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-14055										
DUP	AA39038	0.34	0.050	mg/kg					11.1	-15 - 15
DUP	AA39166	1.05	0.050	mg/kg					1.9	-15 - 15
DUP	AA39352	0.19	0.050	mg/kg					11.1	-15 - 15
DUP	AA39421	0.30	0.050	mg/kg					12.5	-15 - 15
MB	AA39576	0.01		mg/kg						
LCS	AA39577	1.02		mg/kg	1.00		102	80 - 120		
LCS	AA39578	9.95		mg/kg	9.00		111	80 - 120		
CHROM_VI_SOIL-14073										
DUP	AA39136	<0.08	0.080	mg/kg						
MB	AA39633	0.01		mg/kg						
LCS	AA39635	1.44		mg/kg	1.57		91.7	80 - 120		
LCS	AA39636	1.43		mg/kg	1.56		91.7	80 - 120		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO_ORO_SOIL-14023										
AA39249										
Dup	DRO	588.78				279.14			8.16	- 30
Matrix Spike	DRO	542.63		mg/kg	350	279.14	75.3	70 - 130		
AA39440										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA39441										
LCS	DRO	325.11		mg/kg			92.9	70 - 130		
LCS	ORO	432.69		mg/kg			124	50 - 150		
AA39442										
LCS	DRO	324.37		mg/kg			92.7	70 - 130		
LCS	ORO	339.22		mg/kg			96.9	50 - 150		
EC_PH-13973										
AA38970										
Dup	EC, soil	0.48	0.0005	mmhos/cm		0.48			<%MDL%	- 5
Dup	pH soil Temperature	20.00		°C		20.00				
Dup	pH, soil	8.41	0.01	SU		8.40			0.119	- 5
AA39207										
LCS	EC, soil	9.04	0.0005	mmhos/cm			90.4	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA39208										
LCS	EC, soil	9.11	0.0005	mmhos/cm			91.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-14050										
AA39378										
Dup	Arsenic	8.36	0.025	mg/kg		8.35			0.120	0 - 15
Dup	Barium	182.89	0.025	mg/kg		180.13			1.52	0 - 15
Dup	Cadmium	0.10	0.001	mg/kg		0.10			<%MDL%	0 - 15
Dup	Copper	11.09	0.025	mg/kg		10.83			2.37	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.41			3.86	0 - 15
Dup	Nickel	21.34	0.025	mg/kg		21.15			0.894	0 - 15
Dup	Selenium	2.93	0.025	mg/kg		3.11			5.96	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	57.83	0.025	mg/kg		56.40			2.50	0 - 15
Matrix Spike	Arsenic	26.48		mg/kg	20	8.35	90.6	80 - 120		
Matrix Spike	Barium	197.50		mg/kg	20	180.13	86.8	80 - 120		
Matrix Spike	Cadmium	19.56		mg/kg	20	0.10	97.3	80 - 120		
Matrix Spike	Copper	31.22		mg/kg	20	10.83	102	80 - 120		
Matrix Spike	Lead	29.13		mg/kg	20	9.41	98.6	80 - 120		
Matrix Spike	Nickel	43.65		mg/kg	20	21.15	112	80 - 120		
Matrix Spike	Selenium	23.84		mg/kg	20	3.11	104	80 - 120		
Matrix Spike	Silver	17.45		mg/kg	20	<0.25	87.2	80 - 120		
Matrix Spike	Zinc	74.19		mg/kg	20	56.40	89.0	80 - 120		
AA39570										

Division of Environmental Testing
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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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						
AA39572										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	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		
AA39573										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.08		mg/kg			80.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13985										
AA38970										
Dup	Calcium	1.72		mEq/L	1.72	1.53			11.7	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	1.74		mEq/L	1.74	1.59			9.01	- 20
Dup	Sodium Adsorption Ratio	1.73		mEq/L	1.73	1.67			3.53	- 20
AA39269										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA39270										
LCS	Calcium	8.63		ppm			86.3	80 - 120		
LCS	Magnesium	8.56		ppm			85.6	80 - 120		
LCS	Sodium	8.20		ppm			82.0	80 - 120		
LCS	Sodium Adsorption Ratio	0.47		ppm			87.0	80 - 120		
AA39271										

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Calcium	425.57		ppm			85.1	80 - 120		
LCS	Magnesium	433.38		ppm			86.7	80 - 120		
LCS	Sodium	425.46		ppm			85.1	80 - 120		
LCS	Sodium Adsorption Ratio	3.47		ppm			91.8	80 - 120		
SVOC_SOIL-14036										
AA39352										
Dup	1-methylnaphthalene	0.379	0.00313	mg/kg		<0.00313			5.39	- 30
Dup	2-methylnaphthalene	0.329	0.010	mg/kg		<0.010			4.17	- 30
Dup	Acenaphthene	0.360	0.010	mg/kg		<0.010			8.00	- 30
Dup	Anthracene	0.409	0.010	mg/kg		Not Detected			0.490	- 30
Dup	Benz(a)anthracene	0.268	0.010	mg/kg		Not Detected			0.749	- 30
Dup	Benzo(a)pyrene	0.327	0.010	mg/kg		Not Detected			2.71	- 30
Dup	Benzo(b)fluoranthene	0.292	0.010	mg/kg		Not Detected			4.68	- 30
Dup	Benzo(k)fluoranthene	0.268	0.010	mg/kg		Not Detected			4.74	- 30
Dup	Chrysene	0.357	0.010	mg/kg		<0.010			1.67	- 30
Dup	Dibenz(a,h)anthracene	0.245	0.010	mg/kg		Not Detected			3.61	- 30
Dup	Fluoranthene	0.346	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Fluorene	0.385	0.010	mg/kg		Not Detected			1.03	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.315	0.010	mg/kg		<0.010			2.20	- 30
Dup	Naphthalene	0.354	0.00306	mg/kg		Not Detected			5.76	- 30
Dup	Pyrene	0.351	0.010	mg/kg		Not Detected			<0.010	- 30
Matrix Spike	1-methylnaphthalene	0.400	0.00313	mg/kg	0.300	<0.00313	133	70 - 130		
Matrix Spike	2-methylnaphthalene	0.343	0.010	mg/kg	0.300	<0.010	114	70 - 130		
Matrix Spike	Acenaphthene	0.390	0.010	mg/kg	0.300	<0.010	130	70 - 130		
Matrix Spike	Anthracene	0.407	0.010	mg/kg	0.300	Not Detected	136	70 - 130		
Matrix Spike	Benz(a)anthracene	0.266	0.010	mg/kg	0.300	Not Detected	88.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.336	0.010	mg/kg	0.300	Not Detected	112	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.306	0.010	mg/kg	0.300	Not Detected	102	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.281	0.010	mg/kg	0.300	Not Detected	93.7	70 - 130		
Matrix Spike	Chrysene	0.363	0.010	mg/kg	0.300	<0.010	121	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.254	0.010	mg/kg	0.300	Not Detected	84.7	70 - 130		
Matrix Spike	Fluoranthene	0.346	0.010	mg/kg	0.300	Not Detected	115	70 - 130		
Matrix Spike	Fluorene	0.389	0.010	mg/kg	0.300	Not Detected	130	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.322	0.010	mg/kg	0.300	<0.010	107	70 - 130		
Matrix Spike	Naphthalene	0.375	0.00306	mg/kg	0.300	Not Detected	125	70 - 130		
Matrix Spike	Pyrene	0.351	0.010	mg/kg	0.300	Not Detected	117	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.112		mg/kg			112.0	50 - 150		
IS	2,4,6-Tribromophenol	0.300		mg/kg			100.0	50 - 150		
IS	2-Fluorobiphenyl	0.272		mg/kg			90.67	50 - 150		
IS	2-Fluorophenol	0.281		mg/kg			93.67	50 - 150		
IS	Acenaphathene-d10	0.105		mg/kg			105.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.0	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.273		mg/kg			91.00	50 - 150		
IS	Perylenel-d12	0.102		mg/kg			102.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Phenol-d6	0.267		mg/kg			89.00	50 - 150		
IS	Terphenyl-d14	0.289		mg/kg			96.33	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.106		mg/kg			106.0	50 - 150		
IS	2,4,6-Tribromophenol	0.360		mg/kg			120.0	50 - 150		
IS	2-Fluorobiphenyl	0.291		mg/kg			97.00	50 - 150		
IS	2-Fluorophenol	0.309		mg/kg			103.0	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.0	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	0.301		mg/kg			100.3	50 - 150		
IS	Perylenel-d12	0.104		mg/kg			104.0	50 - 150		
IS	Phenanthrene-d10	0.114		mg/kg			114.0	50 - 150		
IS	Phenol-d6	0.284		mg/kg			94.67	50 - 150		
IS	Terphenyl-d14	0.336		mg/kg			112.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.108		mg/kg			108.0	50 - 150		
IS	2,4,6-Tribromophenol	0.406		mg/kg			135.3	50 - 150		
IS	2-Fluorobiphenyl	0.375		mg/kg			125.0	50 - 150		
IS	2-Fluorophenol	0.372		mg/kg			124.0	50 - 150		
IS	Acenaphthene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Chrysene-d12	0.099		mg/kg			99.00	50 - 150		
IS	Naphthalene-d8	0.112		mg/kg			112.0	50 - 150		
IS	Nitrobenzene-d5	0.378		mg/kg			126.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	0.371		mg/kg			123.7	50 - 150		
IS	Terphenyl-d14	0.327		mg/kg			109.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.103		mg/kg			103.0	50 - 150		
IS	2,4,6-Tribromophenol	0.387		mg/kg			129.0	50 - 150		
IS	2-Fluorobiphenyl	0.320		mg/kg			106.7	50 - 150		
IS	2-Fluorophenol	0.322		mg/kg			107.3	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.099		mg/kg			99.00	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	0.315		mg/kg			105.0	50 - 150		
IS	Perylenel-d12	0.104		mg/kg			104.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.288		mg/kg			96.00	50 - 150		
IS	Terphenyl-d14	0.303		mg/kg			101.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.391		mg/kg			130.3	50 - 150		
IS	2-Fluorobiphenyl	0.346		mg/kg			115.3	50 - 150		
IS	2-Fluorophenol	0.350		mg/kg			116.7	50 - 150		
IS	Acenaphthene-d10	0.111		mg/kg			111.0	50 - 150		
IS	Chrysene-d12	0.101		mg/kg			101.0	50 - 150		
IS	Naphthalene-d8	0.109		mg/kg			109.0	50 - 150		
IS	Nitrobenzene-d5	0.344		mg/kg			114.7	50 - 150		
IS	Perylenel-d12	0.106		mg/kg			106.0	50 - 150		

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QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Phenanthrene-d10	0.112		mg/kg			112.0	50 - 150		
IS	Phenol-d6	0.341		mg/kg			113.7	50 - 150		
IS	Terphenyl-d14	0.333		mg/kg			111.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.347		mg/kg			115.7	50 - 150		
IS	2-Fluorobiphenyl	0.327		mg/kg			109.0	50 - 150		
IS	2-Fluorophenol	0.330		mg/kg			110.0	50 - 150		
IS	Acenaphathene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.323		mg/kg			107.7	50 - 150		
IS	Perylenel-d12	0.097		mg/kg			97.00	50 - 150		
IS	Phenanthrene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Phenol-d6	0.305		mg/kg			101.7	50 - 150		
IS	Terphenyl-d14	0.311		mg/kg			103.7	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.105		mg/kg			105.0	50 - 150		
IS	2,4,6-Tribromophenol	0.361		mg/kg			120.3	50 - 150		
IS	2-Fluorobiphenyl	0.292		mg/kg			97.33	50 - 150		
IS	2-Fluorophenol	0.305		mg/kg			101.7	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100.0	50 - 150		
IS	Naphthalene-d8	0.107		mg/kg			107.0	50 - 150		
IS	Nitrobenzene-d5	0.291		mg/kg			97.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.0	50 - 150		
IS	Phenanthrene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Phenol-d6	0.305		mg/kg			101.7	50 - 150		
IS	Terphenyl-d14	0.337		mg/kg			112.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.106		mg/kg			106.0	50 - 150		
IS	2,4,6-Tribromophenol	0.399		mg/kg			133.0	50 - 150		
IS	2-Fluorobiphenyl	0.361		mg/kg			120.3	50 - 150		
IS	2-Fluorophenol	0.373		mg/kg			124.3	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Chrysene-d12	0.097		mg/kg			97.00	50 - 150		
IS	Naphthalene-d8	0.111		mg/kg			111.0	50 - 150		
IS	Nitrobenzene-d5	0.370		mg/kg			123.3	50 - 150		
IS	Perylenel-d12	0.100		mg/kg			100.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	0.366		mg/kg			122.0	50 - 150		
IS	Terphenyl-d14	0.328		mg/kg			109.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.0	50 - 150		
IS	2,4,6-Tribromophenol	0.381		mg/kg			127.0	50 - 150		
IS	2-Fluorobiphenyl	0.334		mg/kg			111.3	50 - 150		
IS	2-Fluorophenol	0.335		mg/kg			111.7	50 - 150		
IS	Acenaphathene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.096		mg/kg			96.00	50 - 150		
IS	Naphthalene-d8	0.106		mg/kg			106.0	50 - 150		
IS	Nitrobenzene-d5	0.339		mg/kg			113.0	50 - 150		

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IS	Perylenel-d12	0.096		mg/kg			96.00	50 - 150		
IS	Phenanthrene-d10	0.102		mg/kg			102.0	50 - 150		
IS	Phenol-d6	0.313		mg/kg			104.3	50 - 150		
IS	Terphenyl-d14	0.319		mg/kg			106.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.105		mg/kg			105.0	50 - 150		
IS	2,4,6-Tribromophenol	0.409		mg/kg			136.3	50 - 150		
IS	2-Fluorobiphenyl	0.344		mg/kg			114.7	50 - 150		
IS	2-Fluorophenol	0.337		mg/kg			112.3	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.103		mg/kg			103.0	50 - 150		
IS	Naphthalene-d8	0.104		mg/kg			104.0	50 - 150		
IS	Nitrobenzene-d5	0.331		mg/kg			110.3	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.0	50 - 150		
IS	Phenanthrene-d10	0.111		mg/kg			111.0	50 - 150		
IS	Phenol-d6	0.325		mg/kg			108.3	50 - 150		
IS	Terphenyl-d14	0.311		mg/kg			103.7	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.382		mg/kg			127.3	50 - 150		
IS	2-Fluorobiphenyl	0.355		mg/kg			118.3	50 - 150		
IS	2-Fluorophenol	0.358		mg/kg			119.3	50 - 150		
IS	Acenaphathene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Chrysene-d12	0.108		mg/kg			108.0	50 - 150		
IS	Naphthalene-d8	0.107		mg/kg			107.0	50 - 150		
IS	Nitrobenzene-d5	0.356		mg/kg			118.7	50 - 150		
IS	Perylenel-d12	0.111		mg/kg			111.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.353		mg/kg			117.7	50 - 150		
IS	Terphenyl-d14	0.300		mg/kg			100.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.110		mg/kg			110.0	50 - 150		
IS	2,4,6-Tribromophenol	0.250		mg/kg			83.33	50 - 150		
IS	2-Fluorobiphenyl	0.500		mg/kg			166.7	50 - 150		
IS	2-Fluorophenol	0.500		mg/kg			166.7	50 - 150		
IS	Acenaphathene-d10	0.108		mg/kg			108.0	50 - 150		
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	10.850		mg/kg			3617	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	1.353		mg/kg			451.0	50 - 150		
IS	Terphenyl-d14	0.300		mg/kg			100.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.102		mg/kg			102.0	50 - 150		
IS	2,4,6-Tribromophenol	0.410		mg/kg			136.7	50 - 150		
IS	2-Fluorobiphenyl	0.350		mg/kg			116.7	50 - 150		
IS	2-Fluorophenol	0.360		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.102		mg/kg			102.0	50 - 150		
IS	Chrysene-d12	0.101		mg/kg			101.0	50 - 150		
IS	Naphthalene-d8	0.100		mg/kg			100.0	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Nitrobenzene-d5	0.352		mg/kg			117.3	50 - 150		
IS	Perylenel-d12	0.106		mg/kg			106.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.338		mg/kg			112.7	50 - 150		
IS	Terphenyl-d14	0.312		mg/kg			104.0	50 - 150		
AA39495										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.112		mg/kg			112.0	50 - 150		
IS	2,4,6-Tribromophenol	0.271		mg/kg			90.33	50 - 150		
IS	2-Fluorobiphenyl	0.319		mg/kg			106.3	50 - 150		
IS	2-Fluorophenol	0.320		mg/kg			106.7	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100.0	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.311		mg/kg			103.7	50 - 150		
IS	Perylenel-d12	0.099		mg/kg			99.00	50 - 150		
IS	Phenanthrene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Phenol-d6	0.314		mg/kg			104.7	50 - 150		
IS	Terphenyl-d14	0.293		mg/kg			97.67	50 - 150		
AA39496										
LCS	1-methylnaphthalene	0.377	0.00313	mg/kg			126	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.371	0.010	mg/kg			124	70 - 130		
LCS	Anthracene	0.354	0.010	mg/kg			118	70 - 130		
LCS	Benz(a)anthracene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Benzo(a)pyrene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Chrysene	0.336	0.010	mg/kg			112	70 - 130		
LCS	Dibenz(a,h)anthracene	0.215	0.010	mg/kg			71.7	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.387	0.010	mg/kg			129	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.305	0.010	mg/kg			102	70 - 130		

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Naphthalene	0.360	0.00306	mg/kg			120	70 - 130		
LCS	Pyrene	0.327	0.010	mg/kg			109	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.0	50 - 150		
IS	2,4,6-Tribromophenol	0.287		mg/kg			95.67	50 - 150		
IS	2-Fluorobiphenyl	0.308		mg/kg			102.7	50 - 150		
IS	2-Fluorophenol	0.306		mg/kg			102.0	50 - 150		
IS	Acenaphathene-d10	0.104		mg/kg			104.0	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.0	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.0	50 - 150		
IS	Nitrobenzene-d5	0.304		mg/kg			101.3	50 - 150		
IS	Perylenel-d12	0.102		mg/kg			102.0	50 - 150		
IS	Phenanthrene-d10	0.104		mg/kg			104.0	50 - 150		
IS	Phenol-d6	0.310		mg/kg			103.3	50 - 150		
IS	Terphenyl-d14	0.299		mg/kg			99.67	50 - 150		
AA39497										
LCS	1-methylnaphthalene	0.376	0.00313	mg/kg			125	70 - 130		
LCS	2-methylnaphthalene	0.338	0.010	mg/kg			113	70 - 130		
LCS	Acenaphthene	0.363	0.010	mg/kg			121	70 - 130		
LCS	Anthracene	0.371	0.010	mg/kg			124	70 - 130		
LCS	Benz(a)anthracene	0.253	0.010	mg/kg			84.3	70 - 130		
LCS	Benzo(a)pyrene	0.358	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Chrysene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Dibenz(a,h)anthracene	0.265	0.010	mg/kg			88.3	70 - 130		
LCS	Fluoranthene	0.314	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.381	0.010	mg/kg			127	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.353	0.010	mg/kg			118	70 - 130		
LCS	Naphthalene	0.371	0.00306	mg/kg			124	70 - 130		
LCS	Pyrene	0.317	0.010	mg/kg			106	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	2,4,6-Tribromophenol	0.313		mg/kg			104.3	50 - 150		
IS	2-Fluorobiphenyl	0.292		mg/kg			97.33	50 - 150		
IS	2-Fluorophenol	0.294		mg/kg			98.00	50 - 150		
IS	Acenaphathene-d10	0.096		mg/kg			96.00	50 - 150		
IS	Chrysene-d12	0.093		mg/kg			93.00	50 - 150		
IS	Naphthalene-d8	0.097		mg/kg			97.00	50 - 150		
IS	Nitrobenzene-d5	0.296		mg/kg			98.67	50 - 150		
IS	Perylenel-d12	0.098		mg/kg			98.00	50 - 150		
IS	Phenanthrene-d10	0.096		mg/kg			96.00	50 - 150		
IS	Phenol-d6	0.290		mg/kg			96.67	50 - 150		
IS	Terphenyl-d14	0.301		mg/kg			100.3	50 - 150		
VOC_S-14041										
AA39135										
Dup	1,2,4-trimethylbenzene	0.053	0.0016	mg/kg		<0.0016			39.4	- 30
Dup	1,3,5-trimethylbenzene	0.058	0.0015	mg/kg		<0.0015			31.9	- 30

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Benzene	0.055	0.0015	mg/kg		Not Detected			21.1	- 30
Dup	Ethylbenzene	0.053	0.0014	mg/kg		<0.0014			30.4	- 30
Dup	Gasoline Range Organics	1.90	0.223	mg/kg		<0.223			19.7	
Dup	m&p- xylene	0.11	0.0029	mg/kg		<0.0029			30.8	- 30
Dup	o-xylene	0.055	0.0014	mg/kg		Not Detected			33.3	- 30
Dup	Toluene	0.052	0.0016	mg/kg		<0.0016			23.7	- 30
Dup	Xylenes, total	0.17	0.0043	mg/kg		<0.0043			30.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.079		mg/kg	0.050	<0.0016	158	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.080		mg/kg	0.050	<0.0015	160	70 - 130		
Matrix Spike	Benzene	0.068		mg/kg	0.050	Not Detected	136	70 - 130		
Matrix Spike	Ethylbenzene	0.072		mg/kg	0.050	<0.0014	144	70 - 130		
Matrix Spike	Gasoline Range Organics	1.56		mg/kg	2.54	<0.223	61.4			
Matrix Spike	m&p- xylene	0.15		mg/kg	0.100	<0.0029	150	70 - 130		
Matrix Spike	o-xylene	0.077		mg/kg	0.050	Not Detected	154	70 - 130		
Matrix Spike	Toluene	0.066		mg/kg	0.050	<0.0016	132	70 - 130		
Matrix Spike	Xylenes, total	0.23		mg/kg	0.150	<0.0043	153	70 - 130		
IS	4-bromofluorobenzene	0.023		mg/kg			57.500	50 - 150		
IS	Toluene-d8	0.023		mg/kg			57.500	50 - 150		
IS	4-bromofluorobenzene	0.020		mg/kg			50.0	50 - 150		
IS	Toluene-d8	0.020		mg/kg			50.0	50 - 150		
IS	4-bromofluorobenzene	0.019		mg/kg			47.500	50 - 150		
IS	Toluene-d8	0.022		mg/kg			55.00	50 - 150		
AA39521										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						
IS	4-bromofluorobenzene	0.034		mg/kg			85.00	50 - 150		
IS	Toluene-d8	0.033		mg/kg			82.500	50 - 150		
AA39522										
LCS	1,2,4-trimethylbenzene	0.047		mg/kg			94.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.049		mg/kg			98.0	70 - 130		
LCS	Benzene	0.043		mg/kg			86.0	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	2.14		mg/kg			84.3			
LCS	m&p- xylene	0.091		mg/kg			91.0	70 - 130		
LCS	o-xylene	0.045		mg/kg			90.0	70 - 130		
LCS	Toluene	0.042		mg/kg			84.0	70 - 130		
LCS	Xylenes, total	0.14		mg/kg			93.3	70 - 130		
IS	4-bromofluorobenzene	0.037		mg/kg			92.500	50 - 150		
IS	Toluene-d8	0.037		mg/kg			92.500	50 - 150		

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 15:11

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA39523										
LCS	1,2,4-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.043		mg/kg			86.0	70 - 130		
LCS	Benzene	0.042		mg/kg			84.0	70 - 130		
LCS	Ethylbenzene	0.040		mg/kg			80.0	70 - 130		
LCS	Gasoline Range Organics	8.28		mg/kg			89.8			
LCS	m&p- xylene	0.079		mg/kg			79.0	70 - 130		
LCS	o-xylene	0.042		mg/kg			84.0	70 - 130		
LCS	Toluene	0.038		mg/kg			76.0	70 - 130		
LCS	Xylenes, total	0.12		mg/kg			80.0	70 - 130		
IS	4-bromofluorobenzene	0.043		mg/kg			107.500	50 - 150		
IS	Toluene-d8	0.043		mg/kg			107.500	50 - 150		

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

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

December 30, 2025

112 High St.
Buffalo, WY 82834
307-262-8975
joel.mason@absarokasolutions.com

Project Manager :	Joel Mason/Todd Mayo
Project Name :	Arapahoe Unit 178
Project Number :	CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on December 17, 2025. This is associated with Elevation's number AA39150 .

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: Absaroka Energy & Environmental Solutions
Address: 112 High Street
City/State/ZIP: Buffalo, Wyoming 82834
Phone: (307) 262-8975, (970) 815-85993
Project Contact: Joel Mason / Todd Mayo

Project Name/Number: CIT.CO.1054
Project Location: Arapahoe Unit 178
Collector Name: Bryen McConnell

					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	pH	SAR	EC						☐ Yes ☑ No
																				Notes
1	AU_178_WHB_W@20'	12/16/2025	10:20	3			✔			✔		✔	✔	✔						*RUSH pH, SAR, EC* Hold for remaining analyses until AE2 review
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

AA39150-1

Relinquished By: D. Mullis	Relinquished By:	Relinquished By:	Scan to Deliver Samples
Date/Time: 12/17/2025 09:30	Date/Time:	Date/Time:	

Lab Use Only

Observed Temperature Upon Receipt: 5.2°C
Corrected Temperature Upon Receipt: 4.9°C
Thermometer #: EDX EQ351
Correction Factor: -0.3°C
AN

Samples Intact: (Yes) No
pH Checked: Yes (No) NA
pH Adjusted: Yes No NA
PFAS rec'd on ice: Yes No NA
Name/Lot Number of Adjustment: NA

2025-12-17-017
Lot/EQM Number: NA
KN

EFOR-008.005

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

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	RL	Method Ref. / Recovery
AA39150-1	AU_178_WHB_W@20'	**Collected :** 12/16/2025	10:20					
EC & pH soil by saturated paste - EC, soil		12/18/2025	15:42		1.56	mmhos/cm	0.0005	USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH soil Temperature		12/18/2025	15:42		19.70	°C		USDA 60/EPA 9045D
EC & pH soil by saturated paste - pH, soil		12/18/2025	15:42		8.14	SU	0.01	USDA 60/EPA 9045D
SAR Saturated Paste - Calcium		12/19/2025	13:01	10.00	3.45	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		12/19/2025	13:01	10.00	0.89	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		12/19/2025	13:01	10.00	5.81	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		12/19/2025	13:01	10.00	3.95	No Unit		EPA 6020B
AA39150-2	AU_178_WHB_W@20'	**Collected :** 12/16/2025	10:20					
DRO & ORO, Soil - DRO		12/23/2025	13:33		<100.00	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		12/23/2025	13:33		<100.00	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		12/23/2025	16:22		Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		12/23/2025	16:22		Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		12/23/2025	16:22		Not Detected	mg/kg	0.010	EPA 8270
AA39150-3	AU_178_WHB_W@20'	**Collected :** 12/16/2025	10:20					
Chromium VI, Soil		12/29/2025	09:10		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		12/26/2025	09:08		0.37	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		12/27/2025	21:46	10.00	5.16	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		12/27/2025	21:46	10.00	197.74	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		12/27/2025	21:46	10.00	0.20	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		12/27/2025	21:46	10.00	11.61	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		12/27/2025	21:46	10.00	10.28	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		12/27/2025	21:46	10.00	10.31	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		12/27/2025	21:46	10.00	3.11	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		12/27/2025	21:46	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		12/27/2025	21:46	10.00	43.52	mg/kg	0.025	EPA 6020B
VOC, Soils - 1,2,4-trimethylbenzene		12/29/2025	14:08		<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		12/29/2025	14:08		<0.0015 - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		12/29/2025	14:08		Not Detected - S	mg/kg	0.0015	EPA 8260
VOC, Soils - Ethylbenzene		12/29/2025	14:08		<0.0014 - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		12/29/2025	14:08		<0.223 - S	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		12/29/2025	14:08		<0.0029 - S	mg/kg	0.0029	EPA 8260

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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

Sample ID / Analyte Name	Customer ID	Collected / Result Date/Time		Dilution	Result	Units	RL	Method Ref. / Recovery
VOC, Soils - o-xylene		12/29/2025	14:08		Not Detected - S	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		12/29/2025	14:08		<0.0016 - S	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		12/29/2025	14:08		<0.0043 - S	mg/kg	0.0043	EPA 8260
IS - 1,2-dichloroethane-d4		12/29/2025	14:08		ND	mg/kg		ND
IS - 1,4-Dichlorobenzene-d4		12/23/2025	17:03		0.104	mg/kg		104.0
IS - 2,4,6-Tribromophenol		12/23/2025	17:03		0.375	mg/kg		125.0
IS - 2-Fluorobiphenyl		12/23/2025	17:03		0.323	mg/kg		107.7
IS - 2-Fluorophenol		12/23/2025	17:03		0.328	mg/kg		109.3
IS - 4-bromofluorobenzene		12/29/2025	14:08		0.018	mg/kg		45.00
IS - Acenaphthene-d10		12/23/2025	17:03		0.104	mg/kg		104.0
IS - Chrysene-d12		12/23/2025	17:03		0.101	mg/kg		101.0
IS - Dibromofluoromethane		12/29/2025	14:08		ND	mg/kg		ND
IS - Naphthalene-d8		12/23/2025	17:03		0.104	mg/kg		104.0
IS - Nitrobenzene-d5		12/23/2025	17:03		0.327	mg/kg		109.0
IS - Perylenel-d12		12/23/2025	17:03		0.100	mg/kg		100.0
IS - Phenanthrene-d10		12/23/2025	17:03		0.106	mg/kg		106.0
IS - Phenol-d6		12/23/2025	17:03		0.325	mg/kg		108.3
IS - Terphenyl-d14		12/23/2025	17:03		0.318	mg/kg		106.0
IS - Toluene-d8		12/29/2025	14:08		0.019	mg/kg		47.500

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Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-14055										
DUP	AA39038	0.34	0.050	mg/kg					11.1	-15 - 15
DUP	AA39166	1.05	0.050	mg/kg					1.9	-15 - 15
DUP	AA39352	0.19	0.050	mg/kg					11.1	-15 - 15
DUP	AA39421	0.30	0.050	mg/kg					12.5	-15 - 15
MB	AA39576	0.01		mg/kg						
LCS	AA39577	1.02		mg/kg	1.00		102	80 - 120		
LCS	AA39578	9.95		mg/kg	9.00		111	80 - 120		
CHROM_VI_SOIL-14073										
DUP	AA39136	<0.08	0.080	mg/kg						
MB	AA39633	0.01		mg/kg						
LCS	AA39635	1.44		mg/kg	1.57		91.7	80 - 120		
LCS	AA39636	1.43		mg/kg	1.56		91.7	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-14023										
AA39249										
Dup	DRO	588.78				279.14			8.16	- 30
Matrix Spike	DRO	542.63		mg/kg	350	279.14	75.3	70 - 130		
AA39440										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA39441										
LCS	DRO	325.11		mg/kg			92.9	70 - 130		
LCS	ORO	432.69		mg/kg			124	50 - 150		
AA39442										
LCS	DRO	324.37		mg/kg			92.7	70 - 130		
LCS	ORO	339.22		mg/kg			96.9	50 - 150		
EC_PH-13973										
AA38970										
Dup	EC, soil	0.48	0.0005	mmhos/cm		0.48			<%MDL%	- 5
Dup	pH soil Temperature	20.00		°C		20.00				
Dup	pH, soil	8.41	0.01	SU		8.40			0.119	- 5
AA39207										
LCS	EC, soil	9.04	0.0005	mmhos/cm			90.4	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
AA39208										
LCS	EC, soil	9.11	0.0005	mmhos/cm			91.1	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
METALS_S-14050										
AA39378										
Dup	Arsenic	8.36	0.025	mg/kg		8.35			0.120	0 - 15
Dup	Barium	182.89	0.025	mg/kg		180.13			1.52	0 - 15
Dup	Cadmium	0.10	0.001	mg/kg		0.10			<%MDL%	0 - 15
Dup	Copper	11.09	0.025	mg/kg		10.83			2.37	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.41			3.86	0 - 15
Dup	Nickel	21.34	0.025	mg/kg		21.15			0.894	0 - 15
Dup	Selenium	2.93	0.025	mg/kg		3.11			5.96	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	57.83	0.025	mg/kg		56.40			2.50	0 - 15
Matrix Spike	Arsenic	26.48		mg/kg	20	8.35	90.6	80 - 120		
Matrix Spike	Barium	197.50		mg/kg	20	180.13	86.8	80 - 120		
Matrix Spike	Cadmium	19.56		mg/kg	20	0.10	97.3	80 - 120		
Matrix Spike	Copper	31.22		mg/kg	20	10.83	102	80 - 120		
Matrix Spike	Lead	29.13		mg/kg	20	9.41	98.6	80 - 120		
Matrix Spike	Nickel	43.65		mg/kg	20	21.15	112	80 - 120		
Matrix Spike	Selenium	23.84		mg/kg	20	3.11	104	80 - 120		
Matrix Spike	Silver	17.45		mg/kg	20	<0.25	87.2	80 - 120		
Matrix Spike	Zinc	74.19		mg/kg	20	56.40	89.0	80 - 120		
AA39570										

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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						
AA39572										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	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		
AA39573										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.08		mg/kg			80.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-13985										
AA38970										
Dup	Calcium	1.72		mEq/L	1.72	1.53			11.7	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	1.74		mEq/L	1.74	1.59			9.01	- 20
Dup	Sodium Adsorption Ratio	1.73		mEq/L	1.73	1.67			3.53	- 20
AA39269										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsoprtion Ratio	0.00								
AA39270										
LCS	Calcium	8.63		ppm			86.3	80 - 120		
LCS	Magnesium	8.56		ppm			85.6	80 - 120		
LCS	Sodium	8.20		ppm			82.0	80 - 120		
LCS	Sodium Adsorption Ratio	0.47		ppm			87.0	80 - 120		
AA39271										

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Calcium	425.57		ppm			85.1	80 - 120		
LCS	Magnesium	433.38		ppm			86.7	80 - 120		
LCS	Sodium	425.46		ppm			85.1	80 - 120		
LCS	Sodium Adsorption Ratio	3.47		ppm			91.8	80 - 120		
SVOC_SOIL-14036										
AA39352										
Dup	1-methylnaphthalene	0.379	0.00313	mg/kg		<0.00313			5.39	- 30
Dup	2-methylnaphthalene	0.329	0.010	mg/kg		<0.010			4.17	- 30
Dup	Acenaphthene	0.360	0.010	mg/kg		<0.010			8.00	- 30
Dup	Anthracene	0.409	0.010	mg/kg		Not Detected			0.490	- 30
Dup	Benz(a)anthracene	0.268	0.010	mg/kg		Not Detected			0.749	- 30
Dup	Benzo(a)pyrene	0.327	0.010	mg/kg		Not Detected			2.71	- 30
Dup	Benzo(b)fluoranthene	0.292	0.010	mg/kg		Not Detected			4.68	- 30
Dup	Benzo(k)fluoranthene	0.268	0.010	mg/kg		Not Detected			4.74	- 30
Dup	Chrysene	0.357	0.010	mg/kg		<0.010			1.67	- 30
Dup	Dibenz(a,h)anthracene	0.245	0.010	mg/kg		Not Detected			3.61	- 30
Dup	Fluoranthene	0.346	0.010	mg/kg		Not Detected			<0.010	- 30
Dup	Fluorene	0.385	0.010	mg/kg		Not Detected			1.03	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.315	0.010	mg/kg		<0.010			2.20	- 30
Dup	Naphthalene	0.354	0.00306	mg/kg		Not Detected			5.76	- 30
Dup	Pyrene	0.351	0.010	mg/kg		Not Detected			<0.010	- 30
Matrix Spike	1-methylnaphthalene	0.400	0.00313	mg/kg	0.300	<0.00313	133	70 - 130		
Matrix Spike	2-methylnaphthalene	0.343	0.010	mg/kg	0.300	<0.010	114	70 - 130		
Matrix Spike	Acenaphthene	0.390	0.010	mg/kg	0.300	<0.010	130	70 - 130		
Matrix Spike	Anthracene	0.407	0.010	mg/kg	0.300	Not Detected	136	70 - 130		
Matrix Spike	Benz(a)anthracene	0.266	0.010	mg/kg	0.300	Not Detected	88.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.336	0.010	mg/kg	0.300	Not Detected	112	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.306	0.010	mg/kg	0.300	Not Detected	102	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.281	0.010	mg/kg	0.300	Not Detected	93.7	70 - 130		
Matrix Spike	Chrysene	0.363	0.010	mg/kg	0.300	<0.010	121	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.254	0.010	mg/kg	0.300	Not Detected	84.7	70 - 130		
Matrix Spike	Fluoranthene	0.346	0.010	mg/kg	0.300	Not Detected	115	70 - 130		
Matrix Spike	Fluorene	0.389	0.010	mg/kg	0.300	Not Detected	130	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.322	0.010	mg/kg	0.300	<0.010	107	70 - 130		
Matrix Spike	Naphthalene	0.375	0.00306	mg/kg	0.300	Not Detected	125	70 - 130		
Matrix Spike	Pyrene	0.351	0.010	mg/kg	0.300	Not Detected	117	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.112		mg/kg			112.0	50 - 150		
IS	2,4,6-Tribromophenol	0.300		mg/kg			100.0	50 - 150		
IS	2-Fluorobiphenyl	0.272		mg/kg			90.67	50 - 150		
IS	2-Fluorophenol	0.281		mg/kg			93.67	50 - 150		
IS	Acenaphathene-d10	0.105		mg/kg			105.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.0	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.273		mg/kg			91.00	50 - 150		
IS	Perylenel-d12	0.102		mg/kg			102.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		

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Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Phenol-d6	0.267		mg/kg			89.00	50 - 150		
IS	Terphenyl-d14	0.289		mg/kg			96.33	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.106		mg/kg			106.0	50 - 150		
IS	2,4,6-Tribromophenol	0.360		mg/kg			120.0	50 - 150		
IS	2-Fluorobiphenyl	0.291		mg/kg			97.00	50 - 150		
IS	2-Fluorophenol	0.309		mg/kg			103.0	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.102		mg/kg			102.0	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	0.301		mg/kg			100.3	50 - 150		
IS	Perylenel-d12	0.104		mg/kg			104.0	50 - 150		
IS	Phenanthrene-d10	0.114		mg/kg			114.0	50 - 150		
IS	Phenol-d6	0.284		mg/kg			94.67	50 - 150		
IS	Terphenyl-d14	0.336		mg/kg			112.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.108		mg/kg			108.0	50 - 150		
IS	2,4,6-Tribromophenol	0.406		mg/kg			135.3	50 - 150		
IS	2-Fluorobiphenyl	0.375		mg/kg			125.0	50 - 150		
IS	2-Fluorophenol	0.372		mg/kg			124.0	50 - 150		
IS	Acenaphthene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Chrysene-d12	0.099		mg/kg			99.00	50 - 150		
IS	Naphthalene-d8	0.112		mg/kg			112.0	50 - 150		
IS	Nitrobenzene-d5	0.378		mg/kg			126.0	50 - 150		
IS	Perylenel-d12	0.103		mg/kg			103.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	0.371		mg/kg			123.7	50 - 150		
IS	Terphenyl-d14	0.327		mg/kg			109.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.103		mg/kg			103.0	50 - 150		
IS	2,4,6-Tribromophenol	0.387		mg/kg			129.0	50 - 150		
IS	2-Fluorobiphenyl	0.320		mg/kg			106.7	50 - 150		
IS	2-Fluorophenol	0.322		mg/kg			107.3	50 - 150		
IS	Acenaphthene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.099		mg/kg			99.00	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	0.315		mg/kg			105.0	50 - 150		
IS	Perylenel-d12	0.104		mg/kg			104.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.288		mg/kg			96.00	50 - 150		
IS	Terphenyl-d14	0.303		mg/kg			101.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.391		mg/kg			130.3	50 - 150		
IS	2-Fluorobiphenyl	0.346		mg/kg			115.3	50 - 150		
IS	2-Fluorophenol	0.350		mg/kg			116.7	50 - 150		
IS	Acenaphthene-d10	0.111		mg/kg			111.0	50 - 150		
IS	Chrysene-d12	0.101		mg/kg			101.0	50 - 150		
IS	Naphthalene-d8	0.109		mg/kg			109.0	50 - 150		
IS	Nitrobenzene-d5	0.344		mg/kg			114.7	50 - 150		
IS	Perylenel-d12	0.106		mg/kg			106.0	50 - 150		

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Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Phenanthrene-d10	0.112		mg/kg			112.0	50 - 150		
IS	Phenol-d6	0.341		mg/kg			113.7	50 - 150		
IS	Terphenyl-d14	0.333		mg/kg			111.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.347		mg/kg			115.7	50 - 150		
IS	2-Fluorobiphenyl	0.327		mg/kg			109.0	50 - 150		
IS	2-Fluorophenol	0.330		mg/kg			110.0	50 - 150		
IS	Acenaphathene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.323		mg/kg			107.7	50 - 150		
IS	Perylenel-d12	0.097		mg/kg			97.00	50 - 150		
IS	Phenanthrene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Phenol-d6	0.305		mg/kg			101.7	50 - 150		
IS	Terphenyl-d14	0.311		mg/kg			103.7	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.105		mg/kg			105.0	50 - 150		
IS	2,4,6-Tribromophenol	0.361		mg/kg			120.3	50 - 150		
IS	2-Fluorobiphenyl	0.292		mg/kg			97.33	50 - 150		
IS	2-Fluorophenol	0.305		mg/kg			101.7	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100.0	50 - 150		
IS	Naphthalene-d8	0.107		mg/kg			107.0	50 - 150		
IS	Nitrobenzene-d5	0.291		mg/kg			97.00	50 - 150		
IS	Perylenel-d12	0.101		mg/kg			101.0	50 - 150		
IS	Phenanthrene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Phenol-d6	0.305		mg/kg			101.7	50 - 150		
IS	Terphenyl-d14	0.337		mg/kg			112.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.106		mg/kg			106.0	50 - 150		
IS	2,4,6-Tribromophenol	0.399		mg/kg			133.0	50 - 150		
IS	2-Fluorobiphenyl	0.361		mg/kg			120.3	50 - 150		
IS	2-Fluorophenol	0.373		mg/kg			124.3	50 - 150		
IS	Acenaphathene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Chrysene-d12	0.097		mg/kg			97.00	50 - 150		
IS	Naphthalene-d8	0.111		mg/kg			111.0	50 - 150		
IS	Nitrobenzene-d5	0.370		mg/kg			123.3	50 - 150		
IS	Perylenel-d12	0.100		mg/kg			100.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	0.366		mg/kg			122.0	50 - 150		
IS	Terphenyl-d14	0.328		mg/kg			109.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.0	50 - 150		
IS	2,4,6-Tribromophenol	0.381		mg/kg			127.0	50 - 150		
IS	2-Fluorobiphenyl	0.334		mg/kg			111.3	50 - 150		
IS	2-Fluorophenol	0.335		mg/kg			111.7	50 - 150		
IS	Acenaphathene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Chrysene-d12	0.096		mg/kg			96.00	50 - 150		
IS	Naphthalene-d8	0.106		mg/kg			106.0	50 - 150		
IS	Nitrobenzene-d5	0.339		mg/kg			113.0	50 - 150		

Division of Environmental Testing
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Aurora, CO 80045
800-440-5184

FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Perylenel-d12	0.096		mg/kg			96.00	50 - 150		
IS	Phenanthrene-d10	0.102		mg/kg			102.0	50 - 150		
IS	Phenol-d6	0.313		mg/kg			104.3	50 - 150		
IS	Terphenyl-d14	0.319		mg/kg			106.3	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.105		mg/kg			105.0	50 - 150		
IS	2,4,6-Tribromophenol	0.409		mg/kg			136.3	50 - 150		
IS	2-Fluorobiphenyl	0.344		mg/kg			114.7	50 - 150		
IS	2-Fluorophenol	0.337		mg/kg			112.3	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.103		mg/kg			103.0	50 - 150		
IS	Naphthalene-d8	0.104		mg/kg			104.0	50 - 150		
IS	Nitrobenzene-d5	0.331		mg/kg			110.3	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.0	50 - 150		
IS	Phenanthrene-d10	0.111		mg/kg			111.0	50 - 150		
IS	Phenol-d6	0.325		mg/kg			108.3	50 - 150		
IS	Terphenyl-d14	0.311		mg/kg			103.7	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.107		mg/kg			107.0	50 - 150		
IS	2,4,6-Tribromophenol	0.382		mg/kg			127.3	50 - 150		
IS	2-Fluorobiphenyl	0.355		mg/kg			118.3	50 - 150		
IS	2-Fluorophenol	0.358		mg/kg			119.3	50 - 150		
IS	Acenaphathene-d10	0.110		mg/kg			110.0	50 - 150		
IS	Chrysene-d12	0.108		mg/kg			108.0	50 - 150		
IS	Naphthalene-d8	0.107		mg/kg			107.0	50 - 150		
IS	Nitrobenzene-d5	0.356		mg/kg			118.7	50 - 150		
IS	Perylenel-d12	0.111		mg/kg			111.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.353		mg/kg			117.7	50 - 150		
IS	Terphenyl-d14	0.300		mg/kg			100.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.110		mg/kg			110.0	50 - 150		
IS	2,4,6-Tribromophenol	0.250		mg/kg			83.33	50 - 150		
IS	2-Fluorobiphenyl	0.500		mg/kg			166.7	50 - 150		
IS	2-Fluorophenol	0.500		mg/kg			166.7	50 - 150		
IS	Acenaphathene-d10	0.108		mg/kg			108.0	50 - 150		
IS	Chrysene-d12	0.098		mg/kg			98.00	50 - 150		
IS	Naphthalene-d8	0.105		mg/kg			105.0	50 - 150		
IS	Nitrobenzene-d5	10.850		mg/kg			3617	50 - 150		
IS	Perylenel-d12	0.107		mg/kg			107.0	50 - 150		
IS	Phenanthrene-d10	0.109		mg/kg			109.0	50 - 150		
IS	Phenol-d6	1.353		mg/kg			451.0	50 - 150		
IS	Terphenyl-d14	0.300		mg/kg			100.0	50 - 150		
IS	1,4-Dichlorobenzene-d4	0.102		mg/kg			102.0	50 - 150		
IS	2,4,6-Tribromophenol	0.410		mg/kg			136.7	50 - 150		
IS	2-Fluorobiphenyl	0.350		mg/kg			116.7	50 - 150		
IS	2-Fluorophenol	0.360		mg/kg			120.0	50 - 150		
IS	Acenaphathene-d10	0.102		mg/kg			102.0	50 - 150		
IS	Chrysene-d12	0.101		mg/kg			101.0	50 - 150		
IS	Naphthalene-d8	0.100		mg/kg			100.0	50 - 150		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Nitrobenzene-d5	0.352		mg/kg			117.3	50 - 150		
IS	Perylenel-d12	0.106		mg/kg			106.0	50 - 150		
IS	Phenanthrene-d10	0.107		mg/kg			107.0	50 - 150		
IS	Phenol-d6	0.338		mg/kg			112.7	50 - 150		
IS	Terphenyl-d14	0.312		mg/kg			104.0	50 - 150		
AA39495										
MB	1-methylnaphthalene	<0.00313	0.00313	mg/kg						
MB	2-methylnaphthalene	<0.010	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	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						
IS	1,4-Dichlorobenzene-d4	0.112		mg/kg			112.0	50 - 150		
IS	2,4,6-Tribromophenol	0.271		mg/kg			90.33	50 - 150		
IS	2-Fluorobiphenyl	0.319		mg/kg			106.3	50 - 150		
IS	2-Fluorophenol	0.320		mg/kg			106.7	50 - 150		
IS	Acenaphathene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Chrysene-d12	0.100		mg/kg			100.0	50 - 150		
IS	Naphthalene-d8	0.108		mg/kg			108.0	50 - 150		
IS	Nitrobenzene-d5	0.311		mg/kg			103.7	50 - 150		
IS	Perylenel-d12	0.099		mg/kg			99.00	50 - 150		
IS	Phenanthrene-d10	0.106		mg/kg			106.0	50 - 150		
IS	Phenol-d6	0.314		mg/kg			104.7	50 - 150		
IS	Terphenyl-d14	0.293		mg/kg			97.67	50 - 150		
AA39496										
LCS	1-methylnaphthalene	0.377	0.00313	mg/kg			126	70 - 130		
LCS	2-methylnaphthalene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Acenaphthene	0.371	0.010	mg/kg			124	70 - 130		
LCS	Anthracene	0.354	0.010	mg/kg			118	70 - 130		
LCS	Benz(a)anthracene	0.239	0.010	mg/kg			79.7	70 - 130		
LCS	Benzo(a)pyrene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.263	0.010	mg/kg			87.7	70 - 130		
LCS	Chrysene	0.336	0.010	mg/kg			112	70 - 130		
LCS	Dibenz(a,h)anthracene	0.215	0.010	mg/kg			71.7	70 - 130		
LCS	Fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.387	0.010	mg/kg			129	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.305	0.010	mg/kg			102	70 - 130		

Division of Environmental Testing
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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Naphthalene	0.360	0.00306	mg/kg			120	70 - 130		
LCS	Pyrene	0.327	0.010	mg/kg			109	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.104		mg/kg			104.0	50 - 150		
IS	2,4,6-Tribromophenol	0.287		mg/kg			95.67	50 - 150		
IS	2-Fluorobiphenyl	0.308		mg/kg			102.7	50 - 150		
IS	2-Fluorophenol	0.306		mg/kg			102.0	50 - 150		
IS	Acenaphathene-d10	0.104		mg/kg			104.0	50 - 150		
IS	Chrysene-d12	0.107		mg/kg			107.0	50 - 150		
IS	Naphthalene-d8	0.103		mg/kg			103.0	50 - 150		
IS	Nitrobenzene-d5	0.304		mg/kg			101.3	50 - 150		
IS	Perylenel-d12	0.102		mg/kg			102.0	50 - 150		
IS	Phenanthrene-d10	0.104		mg/kg			104.0	50 - 150		
IS	Phenol-d6	0.310		mg/kg			103.3	50 - 150		
IS	Terphenyl-d14	0.299		mg/kg			99.67	50 - 150		
AA39497										
LCS	1-methylnaphthalene	0.376	0.00313	mg/kg			125	70 - 130		
LCS	2-methylnaphthalene	0.338	0.010	mg/kg			113	70 - 130		
LCS	Acenaphthene	0.363	0.010	mg/kg			121	70 - 130		
LCS	Anthracene	0.371	0.010	mg/kg			124	70 - 130		
LCS	Benz(a)anthracene	0.253	0.010	mg/kg			84.3	70 - 130		
LCS	Benzo(a)pyrene	0.358	0.010	mg/kg			119	70 - 130		
LCS	Benzo(b)fluoranthene	0.326	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.298	0.010	mg/kg			99.3	70 - 130		
LCS	Chrysene	0.372	0.010	mg/kg			124	70 - 130		
LCS	Dibenz(a,h)anthracene	0.265	0.010	mg/kg			88.3	70 - 130		
LCS	Fluoranthene	0.314	0.010	mg/kg			105	70 - 130		
LCS	Fluorene	0.381	0.010	mg/kg			127	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.353	0.010	mg/kg			118	70 - 130		
LCS	Naphthalene	0.371	0.00306	mg/kg			124	70 - 130		
LCS	Pyrene	0.317	0.010	mg/kg			106	70 - 130		
IS	1,4-Dichlorobenzene-d4	0.096		mg/kg			96.00	50 - 150		
IS	2,4,6-Tribromophenol	0.313		mg/kg			104.3	50 - 150		
IS	2-Fluorobiphenyl	0.292		mg/kg			97.33	50 - 150		
IS	2-Fluorophenol	0.294		mg/kg			98.00	50 - 150		
IS	Acenaphathene-d10	0.096		mg/kg			96.00	50 - 150		
IS	Chrysene-d12	0.093		mg/kg			93.00	50 - 150		
IS	Naphthalene-d8	0.097		mg/kg			97.00	50 - 150		
IS	Nitrobenzene-d5	0.296		mg/kg			98.67	50 - 150		
IS	Perylenel-d12	0.098		mg/kg			98.00	50 - 150		
IS	Phenanthrene-d10	0.096		mg/kg			96.00	50 - 150		
IS	Phenol-d6	0.290		mg/kg			96.67	50 - 150		
IS	Terphenyl-d14	0.301		mg/kg			100.3	50 - 150		
VOC_S-14041										
AA39135										
Dup	1,2,4-trimethylbenzene	0.053	0.0016	mg/kg		<0.0016			39.4	- 30
Dup	1,3,5-trimethylbenzene	0.058	0.0015	mg/kg		<0.0015			31.9	- 30

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FINAL RESULTS REPORT

Report Date : 12/30/2025
Report Time : 14:00

Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Benzene	0.055	0.0015	mg/kg		Not Detected			21.1	- 30
Dup	Ethylbenzene	0.053	0.0014	mg/kg		<0.0014			30.4	- 30
Dup	Gasoline Range Organics	4.90	0.223	mg/kg		<0.223			19.7	
Dup	m&p- xylene	0.11	0.0029	mg/kg		<0.0029			30.8	- 30
Dup	o-xylene	0.055	0.0014	mg/kg		Not Detected			33.3	- 30
Dup	Toluene	0.052	0.0016	mg/kg		<0.0016			23.7	- 30
Dup	Xylenes, total	0.17	0.0043	mg/kg		<0.0043			30.0	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.079		mg/kg	0.050	<0.0016	158	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.080		mg/kg	0.050	<0.0015	160	70 - 130		
Matrix Spike	Benzene	0.068		mg/kg	0.050	Not Detected	136	70 - 130		
Matrix Spike	Ethylbenzene	0.072		mg/kg	0.050	<0.0014	144	70 - 130		
Matrix Spike	Gasoline Range Organics	4.56		mg/kg	2.54	<0.223	61.4			
Matrix Spike	m&p- xylene	0.15		mg/kg	0.100	<0.0029	150	70 - 130		
Matrix Spike	o-xylene	0.077		mg/kg	0.050	Not Detected	154	70 - 130		
Matrix Spike	Toluene	0.066		mg/kg	0.050	<0.0016	132	70 - 130		
Matrix Spike	Xylenes, total	0.23		mg/kg	0.150	<0.0043	153	70 - 130		
IS	4-bromofluorobenzene	0.023		mg/kg			57.500	50 - 150		
IS	Toluene-d8	0.023		mg/kg			57.500	50 - 150		
IS	4-bromofluorobenzene	0.020		mg/kg			50.0	50 - 150		
IS	Toluene-d8	0.020		mg/kg			50.0	50 - 150		
IS	4-bromofluorobenzene	0.019		mg/kg			47.500	50 - 150		
IS	Toluene-d8	0.022		mg/kg			55.00	50 - 150		
IS	4-bromofluorobenzene	0.012		mg/kg			30.0	50 - 150		
IS	Toluene-d8	0.013		mg/kg			32.500	50 - 150		
AA39521										
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	<0.223		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	o-xylene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						
IS	4-bromofluorobenzene	0.034		mg/kg			85.00	50 - 150		
IS	Toluene-d8	0.033		mg/kg			82.500	50 - 150		
AA39522										
LCS	1,2,4-trimethylbenzene	0.047		mg/kg			94.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.049		mg/kg			98.0	70 - 130		
LCS	Benzene	0.043		mg/kg			86.0	70 - 130		
LCS	Ethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	Gasoline Range Organics	3.14		mg/kg			84.3			
LCS	m&p- xylene	0.091		mg/kg			91.0	70 - 130		
LCS	o-xylene	0.045		mg/kg			90.0	70 - 130		
LCS	Toluene	0.042		mg/kg			84.0	70 - 130		
LCS	Xylenes, total	0.14		mg/kg			93.3	70 - 130		
IS	4-bromofluorobenzene	0.037		mg/kg			92.500	50 - 150		

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FINAL RESULTS REPORT

Report Date : 12/30/2025
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Project Manager: Joel Mason/Todd Mayo **Project Name:** Arapahoe Unit 178 **Project Number:** CIT.CO.1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
IS	Toluene-d8	0.037		mg/kg			92.500	50 - 150		
AA39523										
LCS	1,2,4-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.043		mg/kg			86.0	70 - 130		
LCS	Benzene	0.042		mg/kg			84.0	70 - 130		
LCS	Ethylbenzene	0.040		mg/kg			80.0	70 - 130		
LCS	Gasoline Range Organics	2.28		mg/kg			89.8			
LCS	m&p- xylene	0.079		mg/kg			79.0	70 - 130		
LCS	o-xylene	0.042		mg/kg			84.0	70 - 130		
LCS	Toluene	0.038		mg/kg			76.0	70 - 130		
LCS	Xylenes, total	0.12		mg/kg			80.0	70 - 130		
IS	4-bromofluorobenzene	0.043		mg/kg			107.500	50 - 150		
IS	Toluene-d8	0.043		mg/kg			107.500	50 - 150		

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