



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

May 06, 2025

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

Project Manager : Joel Mason, Tad Stout

Project Name : CIT.CO.1054

Project Number : 1054

Attached are the analytical results for CIT.CO.1054 1054 received by Elevation Diagnostics, Division of Environmental Testing on April 28, 2025. This is associated with Elevation's number AA21677 .

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, WY 82834
Phone: 307-262-8975, 970-381-7363
Project Contact: oel.Mason & Tad.Stout@absarokasolutions.com

Project Name/Number: CIT.CO.1054
Project Location: McCormick 24-3 #6
Collector Name: Anthony Voutsinas

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Interim report requested							
					HCl	HNO ₃	None	Other	Water	Soil	Other	Full 915 Suite									<input type="checkbox"/> Yes <input type="checkbox"/> No	Notes			
1	MCC_24-3_GW01	4/23/2025	17:30	5					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>													
2			17:00																						
3																									
4																									
5																									
6																									
7																									
8	 AA21677-1																								
9																									
10																									

Relinquished By: <u>Anthony Voutsinas</u>		Relinquished By:		Relinquished By:		Scan to Deliver Samples 
Date/Time: <u>4-24-25 16:00</u>		Date/Time:		Date/Time:		
Lab Use Only	Observed Temperature Upon Receipt: <u>2.1C</u>	Samples Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Lot/EQM Number: <u>2025-04-28-005</u>		
	Corrected Temperature Upon Receipt: <u>3.4C</u>	pH Checked:	<input checked="" type="radio"/> Yes <input type="radio"/> No			
	Thermometer #: <u>EDX 248</u>	pH Adjusted:	<input checked="" type="radio"/> Yes <input type="radio"/> No			
	Correction Factor: <u>1.3</u>	PFAS rec'd on ice:	<input checked="" type="radio"/> Yes <input type="radio"/> No <u>NA</u>			
Name/Lot Number of Adjustment: _____						

EFOR-008.005



Division of Environmental Testing

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Report Date : 5/6/2025

Report Time : 16:37

FINAL RESULTS REPORT

Project Manager: Joel Mason, Tad Stout

Project Name: CIT.CO.1054

Project Number: 1054

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA21677-1	MCC_24-3_GW01	Collected : 04/23/2025	17:30				
Total Dissolved Solids		04/29/2025	13:10	7986	mg/L	10.00	SM2540C, EPA160.1
AA21677-2	MCC_24-3_GW01	Collected : 04/23/2025	17:30				
Volatile Organic Compounds - 1,2,4-Trimethylbenzene		05/05/2025	12:39	<1.00	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - 1,3,5-Trimethylbenzene		05/05/2025	12:39	Not Detected	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Benzene		05/05/2025	12:39	<1.00	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Ethylbenzene		05/05/2025	12:39	<1.00	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - m&p-Xylene		05/05/2025	12:39	<1.81	µg/L	1.81	EPA 8260d
Volatile Organic Compounds - Naphthalene		05/05/2025	12:39	<0.50	µg/L	0.50	EPA 8260d
Volatile Organic Compounds - o-Xylene		05/05/2025	12:39	Not Detected	µg/L	0.99	EPA 8260d
Volatile Organic Compounds - Toluene		05/05/2025	12:39	<1.00	µg/L	1.00	EPA 8260d
Volatile Organic Compounds - Xylenes, total		05/05/2025	12:39	<2.80	µg/L	2.80	EPA 8260d
AA21677-3	MCC_24-3_GW01	Collected : 04/23/2025	17:30				
Anions - Chloride		04/29/2025	17:31	1680.61	mg/L	0.20	EPA 300.0
Anions - Sulfate		04/29/2025	17:31	3538.41	mg/L	0.20	EPA 300.0



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
TDS-8290										
MB	AA21705	Not Detected	10.00	mg/L						
LCS	AA21706	480	10	mg/L	500		96.0	85 - 115		
DUP	AA21707	480		mg/L					3.88	
LCS	AA21707	499	10	mg/L	500		99.8	85 - 115		- 20



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ANIONS-8275

AA21631

Dup	Nitrate	105.91		ppm		<5.00			5.59	- 15
Dup	Nitrite	111.55		ppm		<5.00			4.40	- 15
Matrix Spike	Nitrate	100.15		ppm	100	<5.00	100	80 - 120		
Matrix Spike	Nitrite	106.75		ppm	100	<5.00	107	80 - 120		

AA21638

MB	Chloride	0.01		ppm						
MB	Nitrate	Not Detected		ppm						
MB	Nitrite	Not Detected		ppm						
MB	Sulfate	0.01		ppm						

AA21639

LCS	Chloride	2.02		ppm			101	90 - 110		
LCS	Nitrate	2.02		ppm			101	90 - 110		
LCS	Nitrite	2.02		ppm			101	90 - 110		
LCS	Sulfate	2.10		ppm			105	90 - 110		

AA21640

LCS	Chloride	2.02		ppm			101	90 - 110		
LCS	Nitrate	2.03		ppm			102	90 - 110		
LCS	Nitrite	2.03		ppm			102	90 - 110		
LCS	Sulfate	2.12		ppm			106	90 - 110		

VOC 8260 W-8349

AA21822

Dup	1,1,1-Trichloroethane	57.25		µg/L		1.83			11.7	- 30
Dup	1,1-Dichloroethene	48.32		µg/L					9.28	- 30
Dup	1,2,4-Trimethylbenzene	47.55		µg/L		Not Detected			10.3	- 30
Dup	1,2-Dichloroethane	48.90		µg/L		Not Detected			13.6	- 30
Dup	Benzene	47.35		µg/L		<1.00			13.9	- 30
Dup	Chlorobenzene	39.36		µg/L		Not Detected			15.4	- 30
Dup	cis-1,2-Dichloroethene	49.03		µg/L		Not Detected			8.27	- 30
Dup	Dichloromethane	56.26		µg/L		Not Detected			12.9	- 30
Dup	Naphthalene	47.09		µg/L		0.65			1.31	- 30
Dup	Tetrachloroethylene	56.40		µg/L		<0.50			10.6	- 30
Dup	Toluene	47.35		µg/L		<1.00			11.2	- 30
Dup	trans-1,2-Dichloroethene	48.31		µg/L					11.5	- 30
Dup	Trichloroethene	42.76		µg/L					7.37	- 30
Dup	Vinyl chloride	41.25		µg/L		Not Detected			7.39	- 30
Matrix Spike	1,1,1-Trichloroethane	50.91		µg/L	50	1.83	98.2	70 - 130		
Matrix Spike	1,1-Dichloroethene	53.02		µg/L						
Matrix Spike	1,2,4-Trimethylbenzene	52.74		µg/L	50	Not Detected	105	70 - 130		
Matrix Spike	1,2-Dichloroethane	56.02		µg/L	50	Not Detected	112	70 - 130		
Matrix Spike	Benzene	54.43		µg/L	50	<1.00	109	70 - 130		
Matrix Spike	Chlorobenzene	45.92		µg/L	50	Not Detected	91.8	70 - 130		
Matrix Spike	cis-1,2-Dichloroethene	53.26		µg/L	50	Not Detected	107	70 - 130		
Matrix Spike	Dichloromethane	63.99		µg/L	50	Not Detected	128	70 - 130		
Matrix Spike	Naphthalene	47.71		µg/L	50	0.65	94.1	70 - 130		



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QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Tetrachloroethylene	62.74		µg/L	50	<0.50	125	70 - 130		
Matrix Spike	Toluene	52.96		µg/L	50	<1.00	106	70 - 130		
Matrix Spike	trans-1,2-Dichloroethene	54.19		µg/L						
Matrix Spike	Trichloroethene	46.03		µg/L						
Matrix Spike	Vinyl chloride	38.31		µg/L	50	Not Detected	76.6	70 - 130		

AA21908

MB	1,1,1-Trichloroethane	Not Detected		µg/L						
MB	1,1,2-Trichloroethane	Not Detected		µg/L						
MB	1,1-Dichloroethene	Not Detected		µg/L						
MB	1,2,4-Trimethylbenzene	Not Detected		µg/L						
MB	1,2-Dichloroethane	Not Detected		µg/L						
MB	1,2-Dichloropropane	Not Detected		µg/L						
MB	1,3,5-Trimethylbenzene	Not Detected		µg/L						
MB	2-Hexanone	Not Detected		µg/L						
MB	Acetone	Not Detected		µg/L						
MB	Benzene	Not Detected		µg/L						
MB	Chlorobenzene	Not Detected		µg/L						
MB	Chloroform	Not Detected		µg/L						
MB	cis-1,2-Dichloroethene	Not Detected		µg/L						
MB	Dichloromethane	Not Detected		µg/L						
MB	Ethylbenzene	Not Detected		µg/L						
MB	Gasoline Range Organics	25.80		µg/L						
MB	m&p-Xylene	Not Detected		µg/L						
MB	Methyl t-butyl ether	Not Detected		µg/L						
MB	Naphthalene	Not Detected		µg/L						
MB	o-Xylene	Not Detected		µg/L						
MB	Tetrachloroethylene	Not Detected		µg/L						
MB	Toluene	Not Detected		µg/L						
MB	trans-1,2-Dichloroethene	Not Detected		µg/L						
MB	Trichloroethene	Not Detected		µg/L						
MB	Vinyl chloride	Not Detected		µg/L						
MB	Xylene, total	Not Detected		µg/L						

AA21909

LCS	1,1,1-Trichloroethane	55.52		µg/L			111	70 - 130		
LCS	1,1,2-Trichloroethane	46.03		µg/L			92.1	70 - 130		
LCS	1,1-Dichloroethene	64.73		µg/L			129	70 - 130		
LCS	1,2,4-Trimethylbenzene	40.93		µg/L			81.9	70 - 130		
LCS	1,2-Dichloroethane	46.93		µg/L			93.9	70 - 130		
LCS	1,2-Dichloropropane	46.20		µg/L			92.4	70 - 130		
LCS	1,3,5-Trimethylbenzene	39.59		µg/L			79.2	70 - 130		
LCS	2-Hexanone	35.54		µg/L			71.1	70 - 130		
LCS	Acetone	47.63		µg/L			95.3	70 - 130		
LCS	Benzene	49.32		µg/L			98.6	70 - 130		
LCS	Chloroform	57.30		µg/L			115	70 - 130		
LCS	cis-1,2-Dichloroethene	50.38		µg/L			101	70 - 130		
LCS	Dichloromethane	61.62		µg/L			123	70 - 130		
LCS	Ethylbenzene	46.18		µg/L			92.4	70 - 130		



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LCS	Gasoline Range Organics	137.91		µg/L						
LCS	m&p-Xylene	89.61		µg/L			89.6	70 - 130		
LCS	Methyl t-butyl ether	55.23		µg/L			110	70 - 130		
LCS	Naphthalene	35.25		µg/L			70.5	70 - 130		
LCS	o-Xylene	48.30		µg/L			96.6	70 - 130		
LCS	Tetrachloroethylene	35.03		µg/L			70.1	70 - 130		
LCS	Toluene	46.61		µg/L			93.2	70 - 130		
LCS	trans-1,2-Dichloroethene	49.91		µg/L			99.8	70 - 130		
LCS	Trichloroethene	44.83		µg/L			89.7	70 - 130		
LCS	Vinyl chloride									
LCS	Xylene, total	137.91		µg/L			91.9	70 - 130		

AA21910

LCS	1,1,1-Trichloroethane	57.24		µg/L			114	70 - 130		
LCS	1,1,2-Trichloroethane	42.59		µg/L			85.2	70 - 130		
LCS	1,1-Dichloroethene	37.09		µg/L			74.2	70 - 130		
LCS	1,2,4-Trimethylbenzene	56.23		µg/L						
LCS	1,2-Dichloroethane	61.35		µg/L			123	70 - 130		
LCS	1,2-Dichloropropane	58.54		µg/L			117	70 - 130		
LCS	1,3,5-Trimethylbenzene	46.44		µg/L						
LCS	2-Hexanone	48.82		µg/L			97.6	70 - 130		
LCS	Acetone	50.98		µg/L			102	70 - 130		
LCS	Benzene	59.28		µg/L			119	70 - 130		
LCS	Chlorobenzene	48.47		µg/L			96.9	70 - 130		
LCS	Chloroform	51.86		µg/L			104	70 - 130		
LCS	cis-1,2-Dichloroethene	58.81		µg/L			118	70 - 130		
LCS	Dichloromethane	62.85		µg/L			126	70 - 130		
LCS	Ethylbenzene	58.49		µg/L			117	70 - 130		
LCS	Gasoline Range Organics	174.15		µg/L			91.1			
LCS	m&p-Xylene	115.09		µg/L			115	70 - 130		
LCS	Methyl t-butyl ether	53.31		µg/L			107	70 - 130		
LCS	Naphthalene	50.40		µg/L			101	70 - 130		
LCS	o-Xylene	60.87		µg/L			122	70 - 130		
LCS	Tetrachloroethylene	63.30		µg/L			127	70 - 130		
LCS	Toluene	55.25		µg/L			110	70 - 130		
LCS	trans-1,2-Dichloroethene	55.09		µg/L			110	70 - 130		
LCS	Trichloroethene	45.90		µg/L			91.8	70 - 130		
LCS	Vinyl chloride	51.90		µg/L			104	70 - 130		
LCS	Xylene, total	175.96		µg/L			117	70 - 130		