



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

June 02, 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 May 16, 2025. This is associated with Elevation's number AA22927 .

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: Joel Mason, Tad Stout

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

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 Suite										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Notes						
1	MC_24-3#6_GW_BG	5/13/2025	16:50	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 voa's (1) 250ml	
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													



Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: 2025-05-16-015

Lab Use Only
 Observed Temperature Upon Receipt: 3.6°C
 Corrected Temperature Upon Receipt: 4.9°C
 Thermometer #: EDXEQ238
 Correction Factor: +1.3°C
 Samples Intact: Yes No
 pH Checked: Yes No
 pH Adjusted: Yes No
 PFAS rec'd on ice: Yes No NA
 Name/Lot Number of Adjustment: NA
 Lot/EQM Number: _____

Scan to Deliver Samples



EFOR-008.005



Division of Environmental Testing

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Report Date : 6/2/2025

Report Time : 11:45

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
AA22927-1	MC_24-3#6_GW_BG	Collected : 05/16/2025	16:50				
Anions - Chloride		05/21/2025	10:04	101.00	148.35	mg/L	0.20 EPA 300.0
Anions - Sulfate		05/21/2025	10:04	101.00	1209.29	mg/L	0.20 EPA 300.0
Total Dissolved Solids		05/23/2025	11:18		2346	mg/L	10.00 SM2540C, EPA160.1
AA22927-2	MC_24-3#6_GW_BG	Collected : 05/16/2025	16:50				
Volatile Organic Compounds - 1,2,4-Trimethylbenzene		05/27/2025	12:23		Not Detected	µg/L	1.00 EPA 8260d
Volatile Organic Compounds - 1,3,5-Trimethylbenzene		05/27/2025	12:23		Not Detected	µg/L	1.00 EPA 8260d
Volatile Organic Compounds - Benzene		05/27/2025	12:23		Not Detected	µg/L	1.00 EPA 8260d
Volatile Organic Compounds - Ethylbenzene		05/27/2025	12:23		Not Detected	µg/L	1.00 EPA 8260d
Volatile Organic Compounds - m&p-Xylene		05/27/2025	12:23		Not Detected	µg/L	1.81 EPA 8260d
Volatile Organic Compounds - Naphthalene		05/27/2025	12:23		<0.50	µg/L	0.50 EPA 8260d
Volatile Organic Compounds - o-Xylene		05/27/2025	12:23		Not Detected	µg/L	0.99 EPA 8260d
Volatile Organic Compounds - Toluene		05/27/2025	12:23		Not Detected	µg/L	1.00 EPA 8260d
Volatile Organic Compounds - Xylenes, total		05/27/2025	12:23		Not Detected	µg/L	2.80 EPA 8260d



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Project Manager: Joel Mason, Tad Stout

Project Name: CIT.CO.1054

Project Number: 1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
TDS-8873										
MB	AA23206	<10.00	10.00	mg/L						
LCS	AA23207	492	10	mg/L	500		98.4	85 - 115		
DUP	AA23208	492		mg/L					1.21	- 20
LCS	AA23208	498	10	mg/L	500		99.6	85 - 115		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
ANIONS-8835										
AA22927										
Dup	Chloride	331.08		ppm		148.35			0.211	- 15
Dup	Sulfate	1417.07		ppm		1209.29			0.382	- 15
Matrix Spike	Chloride	331.78		ppm	202	148.35	90.8	80 - 120		
Matrix Spike	Sulfate	1411.67		ppm	202	1209.29	100	80 - 120		
AA23100										
MB	Chloride	Not Detected		ppm						
MB	Nitrate	Not Detected		ppm						
MB	Nitrite	Not Detected		ppm						
MB	Sulfate	Not Detected		ppm						
AA23101										
LCS	Chloride	1.82		ppm			91.0	90 - 110		
LCS	Nitrate	1.87		ppm			93.5	90 - 110		
LCS	Nitrite	1.92		ppm			96.0	90 - 110		
LCS	Sulfate	1.91		ppm			95.5	90 - 110		
AA23102										
LCS	Chloride	1.85		ppm			92.5	90 - 110		
LCS	Nitrate	1.92		ppm			96.0	90 - 110		
LCS	Nitrite	1.93		ppm			96.5	90 - 110		
LCS	Sulfate	1.97		ppm			98.5	90 - 110		
VOC 8260 W-8887										
AA22731										
Dup	1,1,1-Trichloroethane	39.13		µg/L		Not Detected			5.43	- 30
Dup	1,1,2,2-Tetrachloroethane	74.16		µg/L		Not Detected			1.07	- 30
Dup	1,1,2-Trichloroethane	64.46		µg/L		Not Detected			3.92	- 30
Dup	1,1-Dichloroethene	32.84		µg/L					4.52	- 30
Dup	1,2-Dichloroethane	58.99		µg/L		Not Detected			1.93	- 30
Dup	1,2-Dichloropropane	35.61		µg/L		Not Detected			3.72	- 30
Dup	1,3-Dichloropropane	61.01		µg/L		Not Detected			0.0492	- 30
Dup	Acrolein	69.47		µg/L		Not Detected			8.70	- 30
Dup	Benzene	60.25		µg/L		Not Detected			2.22	- 30
Dup	Bromoform	63.58		µg/L		Not Detected			2.03	- 30
Dup	Bromomethane	42.81		µg/L					2.67	- 30
Dup	Carbon tetrachloride	35.09		µg/L		Not Detected			4.73	- 30
Dup	Chlorobenzene	36.66		µg/L		Not Detected			4.15	- 30
Dup	Chloroform	34.02		µg/L		<1.00			2.47	- 30
Dup	Chloromethane	45.53		µg/L					1.98	- 30
Dup	Ethylbenzene	36.16		µg/L		Not Detected			4.21	- 30
Dup	m&p-Xylene	115.32		µg/L		Not Detected			4.32	- 30
Dup	o-Xylene	37.78		µg/L		Not Detected			6.00	- 30
Dup	Tetrachloroethylene	44.99		µg/L		Not Detected			2.89	- 30
Dup	Toluene	37.24		µg/L		<1.00			5.38	- 30
Dup	trans-1,2-Dichloroethene	66.40		µg/L					11.3	- 30
Dup	Trichloroethene	30.99		µg/L					4.93	- 30
Dup	Vinyl chloride	36.10		µg/L		Not Detected			1.02	- 30



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Project Manager: Joel Mason, Tad Stout

Project Name: CIT.CO.1054

Project Number: 1054

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Xylene, total	153.10		µg/L					4.73	- 30
Matrix Spike	1,1,1-Trichloroethane	37.06		µg/L	50	Not Detected	74.1	70 - 130		
Matrix Spike	1,1,2,2-Tetrachloroethane	73.37		µg/L	50	Not Detected	147	70 - 130		
Matrix Spike	1,1,2-Trichloroethane	61.98		µg/L	50	Not Detected	124	70 - 130		
Matrix Spike	1,1-Dichloroethene	31.39		µg/L						
Matrix Spike	1,2-Dichloroethane	57.86		µg/L	50	Not Detected	116	70 - 130		
Matrix Spike	1,2-Dichloropropane	34.31		µg/L	50	Not Detected	68.6	70 - 130		
Matrix Spike	1,3-Dichloropropane	60.98		µg/L	50	Not Detected	122	70 - 130		
Matrix Spike	Acrolein	63.68		µg/L	50	Not Detected	127	70 - 130		
Matrix Spike	Benzene	58.93		µg/L	50	Not Detected	118	70 - 130		
Matrix Spike	Bromoform	62.30		µg/L	50	Not Detected	125	70 - 130		
Matrix Spike	Bromomethane	41.68		µg/L						
Matrix Spike	Carbon tetrachloride	33.47		µg/L	50	Not Detected	66.9	70 - 130		
Matrix Spike	Chlorobenzene	35.17		µg/L	50	Not Detected	70.3	70 - 130		
Matrix Spike	Chlorodibromomethane	59.14		µg/L	50	Not Detected	118	70 - 130		
Matrix Spike	Chloroform	33.19		µg/L	50	<1.00	66.4	70 - 130		
Matrix Spike	Chloromethane	46.44		µg/L						
Matrix Spike	Ethylbenzene	34.67		µg/L	50	Not Detected	69.3	70 - 130		
Matrix Spike	m&p-Xylene	110.44		µg/L	100	Not Detected	110	70 - 130		
Matrix Spike	o-Xylene	35.58		µg/L	50	Not Detected	71.2	70 - 130		
Matrix Spike	Tetrachloroethylene	43.71		µg/L	50	Not Detected	87.4	70 - 130		
Matrix Spike	Toluene	35.29		µg/L	50	<1.00	70.6	70 - 130		
Matrix Spike	trans-1,2-Dichloroethene	40.75		µg/L						
Matrix Spike	Trichloroethene	29.50		µg/L						
Matrix Spike	Vinyl chloride	36.47		µg/L	50	Not Detected	72.9	70 - 130		
Matrix Spike	Xylene, total	146.02		µg/L						

AA23243

MB	1,1,1-Trichloroethane	Not Detected		µg/L						
MB	1,1,2,2-Tetrachloroethane	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	1,3-Dichloropropane	Not Detected		µg/L						
MB	Acrolein	Not Detected		µg/L						
MB	Benzene	Not Detected		µg/L						
MB	Bromoform	Not Detected		µg/L						
MB	Bromomethane	<2.79		µg/L						
MB	Carbon tetrachloride	Not Detected		µg/L						
MB	Chlorobenzene	Not Detected		µg/L						
MB	Chlorodibromomethane	Not Detected		µg/L						
MB	Chloroform	<1.00		µg/L						
MB	Chloromethane	<2.63		µg/L						
MB	Ethylbenzene	Not Detected		µg/L						
MB	Gasoline Range Organics	25.80		µg/L						



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FINAL RESULTS REPORT

Project Manager: Joel Mason, Tad Stout

Project Name: CIT.CO.1054

Project Number: 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		µg/L						
MB	o-Xylene	Not Detected		µg/L						
MB	Tetrachloroethylene	Not Detected		µg/L						
MB	Toluene	<1.00		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						

AA23244

LCS	1,1,1-Trichloroethane	35.20		µg/L			70.4	70 - 130		
LCS	1,1,2,2-Tetrachloroethane	66.91		µg/L			114	70 - 130		
LCS	1,1,2-Trichloroethane	60.35		µg/L			121	70 - 130		
LCS	1,1-Dichloroethene	35.03		µg/L			70.1	70 - 130		
LCS	1,2,4-Trimethylbenzene	36.06		µg/L			72.1	70 - 130		
LCS	1,2-Dichloroethane	60.73		µg/L			121	70 - 130		
LCS	1,2-Dichloropropane	36.71		µg/L			73.4	70 - 130		
LCS	1,3,5-Trimethylbenzene	37.32		µg/L			74.6	70 - 130		
LCS	1,3-Dichloropropane	59.24		µg/L			118	70 - 130		
LCS	Acrolein	50.27		µg/L			101	70 - 130		
LCS	Benzene	57.40		µg/L			115	70 - 130		
LCS	Bromoform	61.55		µg/L			123	70 - 130		
LCS	Bromomethane	49.64		µg/L			99.3	70 - 130		
LCS	Carbon tetrachloride	35.82		µg/L			71.6	70 - 130		
LCS	Chlorobenzene	35.41		µg/L			70.8	70 - 130		
LCS	Chlorodibromomethane	59.23		µg/L			118	70 - 130		
LCS	Chloroform	35.44		µg/L			70.9	70 - 130		
LCS	Chloromethane	60.20		µg/L			120	70 - 130		
LCS	Ethylbenzene	36.12		µg/L			72.2	70 - 130		
LCS	Gasoline Range Organics	60.49		µg/L			120	70 - 130		
LCS	m&p-Xylene	73.47		µg/L			73.5	70 - 130		
LCS	Naphthalene	37.39		µg/L						
LCS	o-Xylene	35.35		µg/L			70.7	70 - 130		
LCS	Tetrachloroethylene	45.32		µg/L			90.6	70 - 130		
LCS	Toluene	35.53		µg/L			71.1	70 - 130		
LCS	trans-1,2-Dichloroethene	62.01		µg/L			124	70 - 130		
LCS	Trichloroethene	37.72		µg/L			75.4	70 - 130		
LCS	Vinyl chloride	45.81		µg/L			91.6	70 - 130		
LCS	Xylene, total	108.82		µg/L			72.5	70 - 130		

AA23245

LCS	1,1,1-Trichloroethane	37.59		µg/L			75.2	70 - 130		
LCS	1,1,2,2-Tetrachloroethane	67.68		µg/L			115	70 - 130		
LCS	1,1,2-Trichloroethane	64.80		µg/L			130	70 - 130		
LCS	1,1-Dichloroethene	37.34		µg/L			74.7	70 - 130		
LCS	1,2,4-Trimethylbenzene	37.40		µg/L			74.8	70 - 130		
LCS	1,2-Dichloroethane	62.92		µg/L			126	70 - 130		
LCS	1,2-Dichloropropane	39.71		µg/L			79.4	70 - 130		
LCS	1,3,5-Trimethylbenzene	38.78		µg/L			77.6	70 - 130		



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QC Report

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LCS	1,3-Dichloropropane	64.47		µg/L			129	70 - 130		
LCS	Acrolein	49.68		µg/L			99.4	70 - 130		
LCS	Benzene	59.62		µg/L			119	70 - 130		
LCS	Bromoform	62.21		µg/L			124	70 - 130		
LCS	Bromomethane	48.57		µg/L			97.1	70 - 130		
LCS	Carbon tetrachloride	37.96		µg/L			75.9	70 - 130		
LCS	Chlorobenzene	36.71		µg/L			73.4	70 - 130		
LCS	Chlorodibromomethane	60.43		µg/L			121	70 - 130		
LCS	Chloroform	38.55		µg/L			77.1	70 - 130		
LCS	Chloromethane	57.04		µg/L			114	70 - 130		
LCS	Ethylbenzene	37.55		µg/L			75.1	70 - 130		
LCS	Gasoline Range Organics	153.47		µg/L			124			
LCS	m&p-Xylene	76.38		µg/L			76.4	70 - 130		
LCS	Naphthalene	38.36		µg/L						
LCS	o-Xylene	36.63		µg/L			73.3	70 - 130		
LCS	Tetrachloroethylene	40.89		µg/L			81.8	70 - 130		
LCS	Toluene	38.07		µg/L			76.1	70 - 130		
LCS	trans-1,2-Dichloroethene	64.38		µg/L			129	70 - 130		
LCS	Trichloroethene	38.49		µg/L			77.0	70 - 130		
LCS	Vinyl chloride	44.68		µg/L			89.4	70 - 130		
LCS	Xylene, total	113.01		µg/L			75.3	70 - 130		