



## Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

June 19, 2023

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

**Project Manager :** Lauren Glazier

**Project Name :** 909j Sampling

**Project Number :** N/A

Attached are the analytical results for 909j Sampling N/A received by Elevation Diagnostics, Division of Environmental Testing on April 19, 2023. This is associated with Elevation's number AA00777 .

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

Kristen Gracom  
Laboratory Director  
CSO,CCO

## Elevation Diagnostics

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

Client: CGPS

Address: 1301 Academy Ct

City/State/ZIP: Fort Collins, CO 80525

Phone: 315-657-4720


Project Contact: Lauren Glazier

Project Name: 909

Project Location: Akon, Colorado

Collector Name: Mitchell Bod

[illegible]

Relinquished By: <u>Mitchell B. C.</u>	Relinquished By: _____	Relinquished By: _____	Scan to Deliver Samples
Date/Time: <u>04/18/23 1800</u>	Date/Time: _____	Date/Time: _____	
Lab Use Only	Observed Temperature Upon Receipt: <u>6.3°C</u>	Samples Intact: <u>(Yes)</u> No	2023-04-19-002
	Corrected Temperature Upon Receipt: <u>8.3°C</u>	pH Checked: <u>(Yes)</u> No	
	Thermometer #: <u>EDXEQ 2 38</u>	pH Adjusted: <u>(Yes)</u> No	
	Correction Factor: <u>+2.0°C</u>	Name/Lot Number of Adjustment: <u>4403 - 22520028</u>	

[illegible]

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**FINAL RESULTS REPORT****Report Date :** 6/19/2023**Report Time :** 13:19**REPORT TO**

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

**Project Manager :** Lauren Glazier**Project Name :** 909j Sampling**Project Number :** N/A

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
<b>AA00777-1</b> Xenia - Western							
Collected : 04/18/2023 12:00							
Total Alkalinity							
		04/20/2023 14:46		1676.5 - H1	g CaCO <sub>3</sub>		SM 2320B
Bicarbonate Alkalinity							
		04/20/2023 14:52		1676.5 - H1	g CaCO <sub>3</sub>		SM 2320B
Carbonate Alkalinity							
		04/20/2023 14:55		0 - H1	g CaCO <sub>3</sub>		SM 2320B
Conductivity							
		04/19/2023 17:44		5460	μS/cm	20	EPA 9050A
Fluoride							
		04/19/2023 13:46	4.00	4.834	mg/L	0.20	HACH 10225
pH, Water							
		04/19/2023 15:17		8.12 - H1	S.U.	0.01	EPA9040C, EPA150.1
pH, Water Temperature							
		04/19/2023 15:17		20.1	°C		
Total Dissolved Solids							
		04/24/2023 12:07		3502.00	mg/L	10.00	SM2540C, EPA160.1
Total Suspended Solids							
		04/24/2023 20:14		20.0	mg/L	0.5	SM2540D, EPA160.2
<b>AA00777-2</b> Xenia - Western							
Collected : 04/18/2023 12:00							
Bromide							
		04/27/2023 07:13	50.00	14.0 - I	mg/L	10.0	EPA 300.0
Chloride							
		04/27/2023 07:13	200.00	1320 - I	mg/L	12.0	EPA 300.0
Nitrate & Nitrite as Nitrogen, Summation							
		04/27/2023 07:13	50.00	Not Detected - I	mg/L	3.00	EPA 300.0

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
		Nitrate as Nitrogen					
		04/27/2023 07:13	50.00	Not Detected - I	mg/L	2.50	EPA 300.0
		Nitrite as Nitrogen					
		04/27/2023 07:13	50.00	Not Detected - I	mg/L	3.00	EPA 300.0
		Sulfate					
		04/27/2023 07:13	50.00	Not Detected - I	mg/L	15.0	EPA 300.0
AA00777-3 Xenia - Western							
Collected : 04/18/2023 12:00							
		Total Metals, Aqueous - Phosphorous					
		04/24/2023 08:52	10.00	60.209	µg/L	10.000	EPA3010A&3005A
		Total Metals, Aqueous - Boron					
		04/24/2023 08:52	10.00	3678.116	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Sodium					
		04/24/2023 08:52	10,000.00	1576338.607	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Potassium					
		04/24/2023 08:52	100.00	7828.523	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Calcium					
		04/24/2023 08:52	10.00	1299.842	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Manganese					
		04/24/2023 08:52	10.00	19.036	µg/L	0.050	EPA3010A&3005A
		Total Metals, Aqueous - Iron					
		04/24/2023 08:52	10.00	670.753	µg/L	20.000	EPA3010A&3005A
		Total Metals, Aqueous - Selenium					
		04/24/2023 08:52	10.00	<1.000	µg/L	1.000	EPA3010A&3005A
		Total Metals, Aqueous - Strontium					
		04/24/2023 08:52	10.00	775.583	µg/L	0.025	EPA3010A&3005A
		Total Metals, Aqueous - Barium					
		04/24/2023 08:52	10.00	750.167	µg/L	0.025	EPA3010A&3005A

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800-288-2657  
lglaizer@cgrs.com

**Project Manager :** Lauren Glazier**Project Name :** 909j Sampling**Project Number :** N/A

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
Total Metals, Aqueous - Magnesium							
AA00777-4 Xenia - Western		04/24/2023 08:52	10.00	2294.898	µg/L	25.000	EPA3010A&3005A
Collected : 04/18/2023 12:00							
BTEX - Toluene							
		04/27/2023 07:13		160	µg/L	1.0	EPA 8260B
BTEX - Naphthalene							
		04/27/2023 07:13		37	µg/L	1.0	EPA 8260B
BTEX - Xylenes							
		04/27/2023 07:13		310	µg/L	2.0	EPA 8260B
BTEX - o-Xylene							
		04/27/2023 07:13		71	µg/L	1.0	EPA 8260B
BTEX - Ethylbenzene							
		04/27/2023 07:13		59	µg/L	1.0	EPA 8260B
BTEX - Benzene							
		04/27/2023 07:13		46	µg/L	1.0	EPA 8260B
BTEX - m&p-Xylene							
		04/27/2023 07:13		240	µg/L	2.0	EPA 8260B
Diesel Range Organic							
		04/27/2023 07:13		Not Detected - I	mg/L	5.0	EPA 8015M
Gasoline Range Organic							
		04/27/2023 07:13		9600 - I	µg/L	500	EPA 8260B
Oil Range Organic							
		04/27/2023 07:13		Not Detected - I	mg/L	5.0	EPA 8015M
AA00777-5 Xenia - Western							
Collected : 04/18/2023 12:00							
RA 226							
		05/04/2023 14:38		Not Detected - I	pCi/L	1.00	EPA 903.1

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
		RA 228 05/04/2023 14:38		Not Detected - I	pCi/L	3.00	EPA 904.0

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lgazier@cgrs.com

**Project Manager :** Lauren Glazier**Project Name :** 909j Sampling**Project Number :** N/A

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
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**QC Report****ALKALINITY-353**

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP	AA00779	2132.6		mg CaCO3/L		2111.5			0.24858	
LCS	AA00821	47.5		mg CaCO3/L	40.0		81.250			
LCS	AA00822	1142.3		mg CaCO3/L	1000.0		85.770			

**CONDUCTANCE\_EPA-343**

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP	AA00776	4710	20	µS/cm		4730			0.10593	-5 - 5
LCS	AA00799	9720	20	µS/cm	10000		97.200	80 -		
LCS	AA00800	9140	20	µS/cm	10000		91.400	80 -		

**FLUORIDE-332**

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP	AA00770	1.930	0.20	mg/L		1.930			<%MDL%	-5 - 5
DUP	AA00778	2.166	0.20	mg/L		2.119			0.54842	-5 - 5
LCS	AA00784	0.394		mg/L	0.400		98.500	80 - 120		
LCS	AA00785	2.118		mg/L	2.000		94.100	80 - 120		

**PH\_W-334**

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP	AA00775	8.17	0.01	S.U.		8.16			0.030618	-5 - 5
LCS	AA00790	10.00	0.01	S.U.	10.00		100.00	95 - 105		
LCS	AA00791	9.99	0.01	S.U.	10.00		99.900	95 - 105		

**TDS-362**

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP	AA00829	3003.0	0.1	mg/L					0.21739	
LCS	AA00829	2977	10	mg/L	3000		99.233	85 - 115		
LCS	AA00830	3003	10	mg/L	3000		99.900	85 - 115		

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
<b>TSS-365</b>							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	% REC Limits	RPD Limit
DUP	AA00836	459.0	0.1	mg/L			1.9231
LCS	AA00836	425.0		mg/L	500	85.000	85 - 115
LCS	AA00837	459.0		mg/L	500	91.800	85 - 115

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
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**QC Report****METALS\_W-347**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>AA00769</b>									
<b>Arsenic</b>									
DUP	744.315		µg/L		0.102			0.96810	0 - 15
Matrix Spike	737.144		µg/L	800	0.102	92.130	80 - 120		
<b>Iron</b>									
DUP	773.014		µg/L		<20.000			0.83711	0 - 15
Matrix Spike	766.570		µg/L	800	<20.000	94.170	80 - 120		
<b>Phosphorous</b>									
DUP	879.376		µg/L		<10			0.76172	0 - 15
Matrix Spike	886.100		µg/L	800	<10				
<b>Uranium</b>									
DUP	789.757		µg/L		0.051			3.6234	0 - 15
Matrix Spike	761.650		µg/L	800	0.051	95.200	80 - 120		
<b>AA00811</b>									
<b>Aluminum</b>									
LCS	38.509		µg/L	40		96.272	80 - 120		
<b>Antimony</b>									
LCS	37.528		µg/L	40		93.820	80 - 120		
<b>Arsenic</b>									
LCS	38.389		µg/L	40		95.972	80 - 120		
<b>Barium</b>									
LCS	37.959		µg/L	40		94.898	80 - 120		
<b>Beryllium</b>									
LCS	41.579		µg/L	40		96.052	80 - 120		
<b>Boron</b>									

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
LCS	42.580	µg/L	40	93.550	80 - 120		
<b>Cadmium</b>							
LCS	38.785	µg/L	40	96.962	80 - 120		
<b>Calcium</b>							
LCS	36.735	µg/L	40	91.838	80 - 120		
<b>Chromium</b>							
LCS	39.221	µg/L	40	98.052	80 - 120		
<b>Copper</b>							
LCS	39.227	µg/L	40	98.068	80 - 120		
<b>Iron</b>							
LCS	40.317	µg/L	40	99.208	80 - 120		
<b>Lead</b>							
LCS	38.865	µg/L	40	97.162	80 - 120		
<b>Magnesium</b>							
LCS	41.271	µg/L	40	96.822	80 - 120		
<b>Manganese</b>							
LCS	39.728	µg/L	40	99.320	80 - 120		
<b>Mercury</b>							
LCS	38.338	µg/L	40	95.845	80 - 120		
<b>Molybdenum</b>							
LCS	37.559	µg/L	40	93.898	80 - 120		
<b>Nickel</b>							
LCS	39.247	µg/L	40	98.118	80 - 120		
<b>Phosphorous</b>							
LCS	37.475	µg/L	40	93.688	80 - 120		
<b>Potassium</b>							
LCS	39.305	µg/L	40	98.262	80 - 120		
<b>Selenium</b>							
LCS	41.267	µg/L	40	96.832	80 - 120		
<b>Silver</b>							

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LCS	39.376	µg/L	40	98.440	80 - 120		
<b>Sodium</b>							
LCS	43.688	µg/L	40	90.780	80 - 120		
<b>Strontium</b>							
LCS	37.968	µg/L	40	94.920	80 - 120		
<b>Thallium</b>							
LCS	39.045	µg/L	40	97.612	80 - 120		
<b>Uranium</b>							
LCS	43.995	µg/L	40	90.012	80 - 120		
<b>Zinc</b>							
LCS	40.753	µg/L	40	98.118	80 - 120		
<b>AA00812</b>							
<b>Aluminum</b>							
LCS	89.456	µg/L	90	99.396	80 - 120		
<b>Antimony</b>							
LCS	82.781	µg/L	90	91.979	80 - 120		
<b>Arsenic</b>							
LCS	84.977	µg/L	90	94.419	80 - 120		
<b>Barium</b>							
LCS	83.493	µg/L	90	92.770	80 - 120		
<b>Beryllium</b>							
LCS	95.306	µg/L	90	94.104	80 - 120		
<b>Boron</b>							
LCS	97.083	µg/L	90	92.130	80 - 120		
<b>Cadmium</b>							
LCS	85.358	µg/L	90	94.842	80 - 120		
<b>Calcium</b>							
LCS	87.988	µg/L	90	97.764	80 - 120		
<b>Chromium</b>							
LCS	88.039	µg/L	90	97.821	80 - 120		

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<b>Copper</b>							
LCS	88.191	µg/L	90	97.990	80 - 120		
<b>Iron</b>							
LCS	89.385	µg/L	90	99.317	80 - 120		
<b>Lead</b>							
LCS	85.360	µg/L	90	94.844	80 - 120		
<b>Magnesium</b>							
LCS	94.309	µg/L	90	95.212	80 - 120		
<b>Manganese</b>							
LCS	89.369	µg/L	90	99.299	80 - 120		
<b>Mercury</b>							
LCS	84.540	µg/L	90	93.933	80 - 120		
<b>Molybdenum</b>							
LCS	82.954	µg/L	90	92.171	80 - 120		
<b>Nickel</b>							
LCS	87.764	µg/L	90	97.516	80 - 120		
<b>Phosphorous</b>							
LCS	91.101	µg/L	90	98.777	80 - 120		
<b>Potassium</b>							
LCS	91.316	µg/L	90	98.538	80 - 120		
<b>Selenium</b>							
LCS	92.748	µg/L	90	96.947	80 - 120		
<b>Silver</b>							
LCS	87.442	µg/L	90	97.158	80 - 120		
<b>Sodium</b>							
LCS	98.230	µg/L	90	90.856	80 - 120		
<b>Strontium</b>							
LCS	83.321	µg/L	90	92.579	80 - 120		
<b>Thallium</b>							
LCS	85.704	µg/L	90	95.227	80 - 120		

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**Uranium**

LCS	92.685	µg/L	90	97.017	80 - 120
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**Zinc**

LCS	91.846	µg/L	90	97.949	80 - 120
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QualifierExplanation

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