



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

July 03, 2023

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

Project Manager : Lauren Glazier
Project Name : 909j
Project Number : Not Provided

Attached are the analytical results for 909j Not Provided received by Elevation Diagnostics, Division of Environmental Testing on June 07, 2023. This is associated with Elevation's number AA01515 .

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






Chain of Custody Form

Elevation Diagnostics

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

Client: CGRS
Address: 1301 Academy Ct
City/State/ZIP: Fort Collins, CO 80525
Phone: 315-657-4720
Project Contact: Lauren Glazier

Project Name: 909j - multiple clients
Project Location: _____
Collector Name: _____

					Preservative	Matrix	Analysis Requested										Notes				
Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO ₃	None	Other	Water	Soil	Other	pH, Conductivity	TDS, TSS, Alkalinity	Br, Cl, F, SO ₄ , P, NO ₃ , NO ₂	Sum of NO ₃ & NO ₂	Ca, Fe, Mg, Mn, K, Na, Ba, B, Se, Sr	BTEX - N	TPH (GRO, ORO, DRO)	Ra 226, Ra 228		
1	IMPETRO - CROSSANT	6/6/23	10:15	13					X			X	X	X	X	X	X	X	X	X	N-BTEX Includes- o-xylene, m+p-xylene, total xylenes, and Naphthalene 909J table 3-1 FACILITY ID 219500
2	IMPETRO - DALKE		09:00																		219085
3	CHALO - WESTER																				219202
4	WESTERN-VAN GUNDY		12:30																		210843
5	Chalo - Yenter		13:45																		219202 219282
6																					
7																					
8																					
9																					
10																					

Relinquished By: Matt Ruseh

Date/Time: 6/6/23 5:00pm

Relinquished By: _____

Date/Time: _____

Relinquished By: _____

Date/Time: _____

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 3.2 °C

Corrected Temperature Upon Receipt: 5.2 °C

Thermometer #: END96238

Correction Factor: +2 °C

Samples Intact: Yes No

pH Checked: Yes No

pH Adjusted: Yes No

Name/Lot Number of Adjustment: HNO₃, 22520028



EFORM-008.002

**Division of Environmental Testing**

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FINAL RESULTS REPORT**Report Date :** 7/3/2023**Report Time :** 14:25**REPORT TO**

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

Project Manager : Lauren Glazier**Project Name :** 909j**Project Number :** Not Provided

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
AA01515-1 Impetro-Dalke							
Collected : 06/06/2023 09:00							
Total Alkalinity							
		06/07/2023 14:22		2334.40	g CaCO ₃		SM 2320B
Bicarbonate Alkalinity							
		06/07/2023 14:26		2334.40	g CaCO ₃		SM 2320B
Carbonate Alkalinity							
		06/07/2023 14:28		0	g CaCO ₃		SM 2320B
Conductivity							
		06/07/2023 16:07		7500	μS/cm	20	EPA 9050A
Fluoride							
		06/09/2023 16:00	3.00	4.51	mg/L	0.20	HACH 10225
pH, Water							
		06/07/2023 14:24		7.84 - H1	S.U.	0.01	EPA9040C, EPA150.1
pH, Water Temperature							
		06/07/2023 14:24		15.3	°C		
Total Dissolved Solids							
		06/13/2023 12:32		5223.00	mg/L	10.00	SM2540C, EPA160.1
Total Suspended Solids							
		06/14/2023 10:32		7	mg/L	0.5	SM2540D, EPA160.2
AA01515-2 Impetro-Dalke							
Collected : 06/06/2023 09:00							
Bromide							
		06/16/2023 13:47		6.85 - I	mg/L	0.200	EPA 300.0
Chloride							
		06/16/2023 13:47	200.00	1300 - I	mg/L	12.0	EPA 300.0
Nitrate & Nitrite as Nitrogen, Summation							
		06/16/2023 13:47		Not Detected - I	mg/L	0.0600	EPA 300.0

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lglaazier@cgrs.com

Project Manager : Lauren Glazier**Project Name :** 909j**Project Number :** Not Provided

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
AA01515-3	Impetro-Dalke Collected : 06/06/2023 09:00	Nitrate as Nitrogen 06/16/2023 13:47		Not Detected - I	mg/L	0.0500	EPA 300.0
		Nitrite as Nitrogen 06/16/2023 13:47		Not Detected - I	mg/L	0.0600	EPA 300.0
		Sulfate 06/16/2023 13:47	200.00	247 - I	mg/L	60.0	EPA 300.0
		Total Metals, Aqueous - Phosphorous 06/19/2023 08:12	10.00	45.995	µg/L	10.000	EPA3010A&3005A
		Total Metals, Aqueous - Boron 06/19/2023 08:12	100.00	24608.862	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Sodium 06/19/2023 08:12	10,000.00	1939719.539	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Potassium 06/19/2023 08:12	10.00	7749.570	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Calcium 06/19/2023 08:12	10.00	903.158	µg/L	25.000	EPA3010A&3005A
		Total Metals, Aqueous - Manganese 06/19/2023 08:12	10.00	8.597	µg/L	0.050	EPA3010A&3005A
		Total Metals, Aqueous - Iron 06/19/2023 08:12	10.00	445.122	µg/L	20.000	EPA3010A&3005A
		Total Metals, Aqueous - Selenium 06/19/2023 08:12	10.00	<1.000	µg/L	1.000	EPA3010A&3005A
		Total Metals, Aqueous - Strontium 06/19/2023 08:12	10.00	445.570	µg/L	0.025	EPA3010A&3005A
		Total Metals, Aqueous - Barium 06/19/2023 08:12	10.00	156.260	µg/L	0.025	EPA3010A&3005A

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Project Manager : Lauren Glazier**Project Name :** 909j**Project Number :** Not Provided

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
Total Metals, Aqueous - Magnesium							
06/19/2023 08:12 10.00 1394.751 µg/L 25.000 EPA3010A&3005A							
AA01515-4 Impetro-Dalke							
Collected : 06/06/2023 09:00							
BTEX - Toluene							
06/16/2023 13:47 100.00 3800 µg/L 100 EPA 8260B							
BTEX - Naphthalene							
06/16/2023 13:47 160 µg/L 1.0 EPA 8260B							
BTEX - Xylenes							
06/16/2023 13:47 100.00 2900 µg/L 200 EPA 8260B							
BTEX - o-Xylene							
06/16/2023 13:47 100.00 870 µg/L 100 EPA 8260B							
BTEX - Ethylbenzene							
06/16/2023 13:47 100.00 420 µg/L 100 EPA 8260B							
BTEX - Benzene							
06/16/2023 13:47 100.00 2000 µg/L 100 EPA 8260B							
BTEX - m&p-Xylene							
06/16/2023 13:47 100.00 2000 µg/L 200 EPA 8260B							
Diesel Range Organic							
06/16/2023 13:47 Not Detected - I mg/L 5.0 EPA 8015M							
Gasoline Range Organic							
06/16/2023 13:47 27000 - I µg/L 500 EPA 8260B							
Oil Range Organic							
06/16/2023 13:47 Not Detected - I mg/L 5.0 EPA 8015M							
AA01515-5 Impetro-Dalke							
Collected : 06/06/2023 09:00							
Radium-226							
06/26/2023 13:29 2.28 - I pCi/L 1.00 EPA 903.1							

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Project Manager : Lauren Glazier**Project Name :** 909j**Project Number :** Not Provided

Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
		Radium-228 06/26/2023 13:29		2.94 - I	pCi/L	3.00	EPA 904.0

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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**ALKALINITY-638**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA01514	2207.95		mg CaCO3/L		2211.96			0.045363	
LCS AA01526	47.17		mg CaCO3/L	40		82.075			
LCS AA01527	2348.45		mg CaCO3/L	2000		82.578			

CONDUCTANCE_EPA-647

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA01514	11890	20	µS/cm		11940			0.10491	-5 - 5
LCS AA01540	10350	20	µS/cm	10000		96.500	80 -		
LCS AA01541	10720	20	µS/cm	10000		92.800	80 -		

FLUORIDE-666

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA01514	2.83	0.20	mg/L		2.97			1.2069	-5 - 5
LCS AA01581	0.46		mg/L	0.40		85.000	80 - 120		
LCS AA01582	1.92		mg/L	2.00		96.000	80 - 120		

PH_W-639

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA01514	7.95	0.01	S.U.		8.05			0.31250	-5 - 5
LCS AA01529	6.85	0.01	S.U.	6.86		99.854	95 - 105		
LCS AA01530	6.86	0.01	S.U.	6.86		100.00	95 - 105		

TDS-653

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS AA01552	2945	10	mg/L	3000		98.167	85 - 115		
DUP AA01553	2945	0.1	mg/L					0.46257	
LCS AA01553	3000	10	mg/L	3000		100.00	85 - 115		

TSS-677

Reporting	Spike	Source	% REC	RPD
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Report #729

Not previously reported

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The results listed pertain only to the samples submitted to Elevation Diagnostics, Division of Environmental Testing as per the Chain of Custody attached. This report may only be duplicated in full.

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Sample ID		Customer ID		Analyte Name Analysis Start		Dilution	Result	Units	Reporting Limit	Method Reference
Analyte		Result	Limit	Units	Level	Result	%Rec	Limits	RPD	Limit
LCS	AA01602	443		mg/L	500		88.600	85 - 115		
DUP	AA01603	443		mg/L					1.9523	
LCS	AA01603	479		mg/L	500		95.800	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-680**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA01611									
Arsenic									
LCS	93.456	0.100	µg/L	90		96.1600	80 - 120		
Barium									
LCS	81.200	0.025	µg/L	90		22222222	80 - 120		
Boron									
LCS	90.018	25.000	µg/L	90		99.9800	80 - 120		
Calcium									
LCS	91.248	25.000	µg/L	90		61333333	80 - 120		
Iron									
LCS	79.893	20.000	µg/L	90		88.7700	80 - 120		
Lead									
LCS	93.616	0.100	µg/L	90		98222222	80 - 120		
Magnesium									
LCS	90.521	25.000	µg/L	90		.42111111	80 - 120		
Manganese									
LCS	88.760	0.050	µg/L	90		62222222	80 - 120		
Nickel									
LCS	88.975	0.250	µg/L	90		.86111111	80 - 120		
Phosphorous									
LCS	90.443	10.000	µg/L	90		50777777	80 - 120		
Potassium									
LCS	91.218	25.000	µg/L	90		64666666	80 - 120		
Selenium									

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Sample ID	Customer ID	Analyte Name Analysis Start	Dilution	Result	Units	Reporting Limit	Method Reference
LCS	101.426	1.000	µg/L	90	304444444	80 - 120	
Sodium							
LCS	88.968	25.000	µg/L	90	853333333	80 - 120	
Strontium							
LCS	80.588	0.025	µg/L	90	542222222	80 - 120	
Uranium							
LCS	89.394	0.025	µg/L	90	326666666	80 - 120	
AA01612							
Arsenic							
LCS	92.936	0.100	µg/L	90	737777777	80 - 120	
Barium							
LCS	80.839	0.025	µg/L	90	.821111111	80 - 120	
Boron							
LCS	94.596	25.000	µg/L	90	893333333	80 - 120	
Calcium							
LCS	91.585	25.000	µg/L	90	238888888	80 - 120	
Iron							
LCS	79.796	20.000	µg/L	90	662222222	80 - 120	
Lead							
LCS	92.104	0.100	µg/L	90	662222222	80 - 120	
Magnesium							
LCS	94.105	25.000	µg/L	90	438888888	80 - 120	
Manganese							
LCS	90.484	0.050	µg/L	90	462222222	80 - 120	
Nickel							
LCS	88.406	0.250	µg/L	90	228888888	80 - 120	
Phosphorous							
LCS	96.264	10.000	µg/L	90	93.0400	80 - 120	
Potassium							
LCS	94.931	25.000	µg/L	90	.521111111	80 - 120	

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Selenium							
LCS	101.838	1.000	µg/L	90	846666666	80 - 120	
Sodium							
LCS	102.920	25.000	µg/L	90	644444444	80 - 120	
Strontium							
LCS	80.472	0.025	µg/L	90	413333333	80 - 120	
Uranium							
LCS	91.906	0.025	µg/L	90	882222222	80 - 120	
AA01628							
Arsenic							
DUP	107.903	0.100	µg/L		0.565	171301992	0 - 15
Matrix Spike	105.854	0.100	µg/L	100	0.565	105.28900	80 - 120
Nickel							
DUP	96.586	0.250	µg/L		2.185	829929368	0 - 15
Matrix Spike	94.123	0.250	µg/L	100	2.185	91.93800	80 - 120
Uranium							
DUP	84.014	0.025	µg/L		0.155	736452472	0 - 15
Matrix Spike	84.836	0.025	µg/L	100	0.155	84.68100	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