



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

August 07, 2024

143 Diamond Ave
Parachute, CO 81635
970-285-2600

Project Manager : Andrew Verbonitz
Project Name : P27 595 2024 1-D Flowline Release
Project Number : P27 595

Attached are the analytical results for P27 595 2024 1-D Flowline Release P27 595 received by Elevation Diagnostics, Division of Environmental Testing on July 30, 2024. This is associated with Elevation's number AA10688 .

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 Reichel
Laboratory Director
CSO,CCO



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

Report Date : 8/7/2024

Report Time : 9:29

FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P27 595 2024 1-D Flowline Re **Project Number:** P27 595

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA10688-1	20240726-NP SOURCE-(P27595 20324)	Collected : 07/26/2024	10:55				
Total Metals, Aqueous - Arsenic		08/01/2024	10:32	2.00	1.215	µg/L	0.100 EPA3010A&3005A
Total Metals, Aqueous - Barium		08/01/2024	10:32	200.00	48603.858	µg/L	0.283 EPA3010A&3005A
Total Metals, Aqueous - Cadmium		08/01/2024	10:32	2.00	3.118	µg/L	0.250 EPA3010A&3005A
Total Metals, Aqueous - Copper		08/01/2024	10:32	2.00	12.987	µg/L	2.000 EPA3010A&3005A
Total Metals, Aqueous - Lead		08/01/2024	10:32	2.00	<0.250	µg/L	0.250 EPA3010A&3005A
Total Metals, Aqueous - Nickel		08/01/2024	10:32	2.00	57.713	µg/L	0.250 EPA3010A&3005A
Total Metals, Aqueous - Selenium		08/01/2024	10:32	2.00	Not Detected	µg/L	0.985 EPA3010A&3005A
Total Metals, Aqueous - Silver		08/01/2024	10:32	2.00	<0.100	µg/L	0.100 EPA3010A&3005A
Total Metals, Aqueous - Zinc		08/01/2024	10:32	20.00	2833.007	µg/L	10.000 EPA3010A&3005A

AA10688-2	20240726-NP SOURCE-(P27595 20324)	Collected : 07/26/2024	10:55				
Chromium VI, Dissolved		08/06/2024	10:15	5.00	<0.10 - H1	µg/L	0.1 EPA 7199 & SM 3500 Cr-C
pH, Water Temperature		07/31/2024	12:24		19.2	°C	
pH, Water		07/31/2024	12:24		6.88 - H1	S.U.	0.01 EPA9040C, EPA150.1

QC Report

CHROM_VI DISS_IC-4225									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA10688	<0.10	0.1	µg/L		<0.10				
Matrix Spike AA10688	4.55		µg/L	5.00	<0.10	91.0	75 - 125		
MB AA10870	<0.10		µg/L						
LCS AA10871	1.00		µg/L	1.00		100	90 - 110		
LCS AA10872	0.97		µg/L	1.00		97.0	90 - 110		

PH_W-4173									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA10688	6.86	0.01	S.U.		6.88			0.29112	-5 - 5
LCS AA10712	6.85	0.01	S.U.	6.86		99.9	95 - 105		
LCS AA10713	6.84	0.01	S.U.	6.86		99.7	95 - 105		



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QC Report

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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METALS_W-4189

AA10453

DUP

Arsenic	107.148	0.000	µg/L		<0.200			0.192	0 - 15
Phosphorous	122.784	0.000	µg/L		Not Detected			5.01	0 - 15

Matrix Spike

Arsenic	106.943	0.000	µg/L	100	<0.200	106.94300	80 - 120		
Phosphorous	116.784	0.000	µg/L	100	Not Detected	116.78400	80 - 120		

AA10743

MB

Arsenic	0.007		µg/L						
Barium	0.097		µg/L						
Cadmium	0.002		µg/L						
Copper	0.041		µg/L						
Iron	-0.978		µg/L						
Lead	0.023		µg/L						
Nickel	0.014		µg/L						
Phosphorous	-4.340		µg/L						
Selenium	0.061		µg/L						
Silver	0.010		µg/L						
Uranium	0.001		µg/L						
Zinc	0.699		µg/L						

AA10745

LCS

Arsenic	89.119	0.100	µg/L			99.0	80 - 120		
Barium	88.451	0.025	µg/L			98.3	80 - 120		
Cadmium	91.931	0.050	µg/L			102	80 - 120		
Copper	87.289	0.250	µg/L			97.0	80 - 120		
Iron	82.776	20.000	µg/L			92.0	80 - 120		
Lead	93.000	0.100	µg/L			103	80 - 120		
Nickel	88.786	0.250	µg/L			98.7	80 - 120		
Phosphorous	91.358	10.000	µg/L			102	80 - 120		
Selenium	87.796	1.000	µg/L			97.6	80 - 120		
Silver	94.513	0.025	µg/L			105	80 - 120		
Uranium	94.469	0.025	µg/L			105	80 - 120		
Zinc	95.954	10.000	µg/L			107	80 - 120		

AA10746

Arsenic	80.273	0.100	µg/L			89.2	80 - 120		
Barium	100.253	0.025	µg/L			111	80 - 120		
Cadmium	90.611	0.050	µg/L			101	80 - 120		
Copper	75.156	0.250	µg/L			83.5	80 - 120		
Iron	75.887	20.000	µg/L			84.3	80 - 120		
Lead	90.620	0.100	µg/L			101	80 - 120		
Nickel	74.484	0.250	µg/L			82.8	80 - 120		



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Phosphorous	97.224	10.000	µg/L			108	80 - 120		
Selenium	86.756	1.000	µg/L			96.4	80 - 120		
Silver	89.567	0.025	µg/L			99.5	80 - 120		
Uranium	100.794	0.025	µg/L			112	80 - 120		
Zinc	75.839	10.000	µg/L			84.3	80 - 120		

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.
- E Electronic loss or corruption of data.
- I Subcontracted sample