



**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

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December 10, 2024

143 Diamond Ave  
Parachute, CO 81635  
970-285-2925

**Project Manager :** Derek Horn  
**Project Name :** L3E Condensate Release  
**Project Number :** N/A

Attached are the analytical results for L3E Condensate Release N/A received by Elevation Diagnostics, Division of Environmental Testing on December 05, 2024. This is associated with Elevation's number AA15334 .

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: QB Energy  
 Address: 143 Diamond Ave  
 City/State/ZIP: Parachute, CO 81635  
 Phone: 970-285-2653  
 Project Contact: Derek Horn

Project Name/Number: L3E Condensate release  
 Project Location: Garfield County CO  
 Collector Name: Garrett Green

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested					Interim report requested		
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Other	Boron	EC	SAR	PH	915-1 Metals	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
1	20241204-MCBG-(L3E-E)	12/4/24	0945	3			X			X		X	X	X	X	X			
2	20241204-MCBG-(L3E-S)	12/4/24	1015	3			X			X		X	X	X	X	X			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished By: <u>Derek Horn</u>	Relinquished By:	Relinquished By:	Scan to Deliver Samples 
Date/Time: <u>12/4/24 1630</u>	Date/Time:	Date/Time:	
Lab Use Only	Observed Temperature Upon Receipt: <u>2.1°C</u>	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	2024-12-05-002 Lot/EQM Number:
	Corrected Temperature Upon Receipt: <u>3.4°C</u>	pH Checked: <input type="radio"/> Yes <input checked="" type="radio"/> No	
	Thermometer #: <u>EJXEQ238</u>	pH Adjusted: <input type="radio"/> Yes <input checked="" type="radio"/> No	
	Correction Factor: <u>+1.3°C</u>	PFAS rec'd on ice: <input type="radio"/> Yes <input checked="" type="radio"/> No <u>N/A</u>	
Name/Lot Number of Adjustment: _____			

Confirmed w/ client sample should be S, not N 12/5/24

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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Aurora, CO 80045

800-440-5184

**Report Date :** 12/10/2024

**Report Time :** 12:04

**FINAL RESULTS REPORT**

**Project Manager:** Derek Horn

**Project Name:** L3E Condensate Release

**Project Number:** N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
<b>AA15334-1</b>	20241204-MCBG-(L3E-E)	<b>Collected :</b> 12/04/2024	09:45				
SAR - Calcium		12/09/2024	10:52	10.00	9.64	mEq/L	0.50 EPA 6020B
SAR - Magnesium		12/09/2024	10:52	10.00	1.36	mEq/L	0.82 EPA 6020B
SAR - Sodium		12/09/2024	10:52	10.00	<0.43	mEq/L	0.43 EPA 6020B
SAR - Sodium Adsorption Ratio		12/09/2024	10:52	10.00	0.05	No Unit	EPA 6020B
Soil Conductivity		12/06/2024	16:56		1.12	mmhos/cm	0.0005 USDA 60
<b>AA15334-2</b>	20241204-MCBG-(L3E-E)	<b>Collected :</b> 12/04/2024	09:45				
Hot Water Soluble Boron		12/10/2024	09:06		0.82	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		12/05/2024	17:01		22	°C	
pH, Soils		12/05/2024	17:01		8.05	SU	0.01 EPA 9045D
<b>AA15334-3</b>	20241204-MCBG-(L3E-E)	<b>Collected :</b> 12/04/2024	09:45				
Chromium VI, Soil		12/06/2024	09:12		0.11	mg/kg	0.080 EPA 7199
Total Metals, Soils - Arsenic		12/09/2024	13:26	10.00	4.03	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Barium		12/09/2024	13:26	10.00	88.01	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Cadmium		12/09/2024	13:26	10.00	0.23	mg/kg	0.001 EPA 6020B
Total Metals, Soils - Copper		12/09/2024	13:26	10.00	9.84	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Lead		12/09/2024	13:26	10.00	9.03	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Nickel		12/09/2024	13:26	10.00	6.46	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Selenium		12/09/2024	13:26	10.00	1.10	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Silver		12/09/2024	13:26	10.00	<0.25 - RL1	mg/kg	0.25 EPA 6020B
Total Metals, Soils - Zinc		12/09/2024	13:26	10.00	41.75	mg/kg	0.025 EPA 6020B
<b>AA15335-1</b>	20241204-MCBG-(L3E-S)	<b>Collected :</b> 12/04/2024	10:15				
SAR - Calcium		12/09/2024	10:52	10.00	13.26	mEq/L	0.50 EPA 6020B
SAR - Magnesium		12/09/2024	10:52	10.00	12.05	mEq/L	0.82 EPA 6020B
SAR - Sodium		12/09/2024	10:52	10.00	37.39	mEq/L	0.43 EPA 6020B
SAR - Sodium Adsorption Ratio		12/09/2024	10:52	10.00	10.51	No Unit	EPA 6020B
Soil Conductivity		12/06/2024	16:56		5.17	mmhos/cm	0.0005 USDA 60
<b>AA15335-2</b>	20241204-MCBG-(L3E-S)	<b>Collected :</b> 12/04/2024	10:15				
Hot Water Soluble Boron		12/10/2024	09:06		3.17	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		12/05/2024	17:01		21.8	°C	
pH, Soils		12/05/2024	17:01		8.21	SU	0.01 EPA 9045D
<b>AA15335-3</b>	20241204-MCBG-(L3E-S)	<b>Collected :</b> 12/04/2024	10:15				
Chromium VI, Soil		12/06/2024	09:12		<0.08	mg/kg	0.080 EPA 7199
Total Metals, Soils - Arsenic		12/09/2024	13:26	10.00	5.72	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Barium		12/09/2024	13:26	10.00	155.68	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Cadmium		12/09/2024	13:26	10.00	0.28	mg/kg	0.001 EPA 6020B
Total Metals, Soils - Copper		12/09/2024	13:26	10.00	13.89	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Lead		12/09/2024	13:26	10.00	10.55	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Nickel		12/09/2024	13:26	10.00	11.23	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Selenium		12/09/2024	13:26	10.00	2.31	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Silver		12/09/2024	13:26	10.00	<0.25 - RL1	mg/kg	0.25 EPA 6020B
Total Metals, Soils - Zinc		12/09/2024	13:26	10.00	59.16	mg/kg	0.025 EPA 6020B



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Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name	Analysis Start	Recovery					



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**Project Manager:** Derek Horn

**Project Name:** L3E Condensate Release

**Project Number:** N/A

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>BORON-6141</b>										
DUP	AA15334	0.81	0.050	mg/kg					1.2270	-15 - 15
MB	AA15402	0.01		mg/kg						
LCS	AA15403	1.02		mg/kg	1.00		102	80 - 120		
LCS	AA15404	9.48		mg/kg	9.00		105	80 - 120		
<b>CHROM_VI_SOIL-6108</b>										
DUP	AA15336	<0.08	0.080	mg/kg						
MB	AA15350	Not Detected		mg/kg						
LCS	AA15352	0.04		mg/kg	0.04		100			
LCS	AA15353	0.04		mg/kg	0.04		100			
<b>ECSOIL_MMHOS-6121</b>										
DUP	AA15224	3.71		mmhos/cm					2.3968	
LCS	AA15377	9.66		mmhos/cm	10.00		96.6			
LCS	AA15378	9.71		mmhos/cm	10.00		97.1			
<b>PH_S-6114</b>										
DUP	AA15334	8.14	0.01	S.U.					1.1117974058	-5 - 5
LCS	AA15365	6.87	0.01	S.U.	6.86		100	95 - 105		
LCS	AA15366	6.89	0.01	S.U.	6.86		100	95 - 105		



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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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**METALS S-6124**

**AA15336**

Dup	Arsenic	3.20	0.025	mg/kg		3.06			4.47	0 - 15
Dup	Barium	133.32	0.025	mg/kg		140.93			5.55	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.21			4.88	0 - 15
Dup	Copper	8.84	0.025	mg/kg		8.95			1.24	0 - 15
Dup	Lead	8.22	0.025	mg/kg		8.65			5.10	0 - 15
Dup	Nickel	7.15	0.025	mg/kg		7.36			2.89	0 - 15
Dup	Selenium	2.75	0.025	mg/kg		2.61			5.22	0 - 15
Dup	Silver	<0.03	0.025	mg/kg		<0.03				
Dup	Zinc	74.34	0.025	mg/kg		65.75			12.3	0 - 15
Matrix Spike	Arsenic	24.20		mg/kg	20	3.06	106			
Matrix Spike	Barium	160.32		mg/kg	20	140.93	97.0			
Matrix Spike	Cadmium	20.55		mg/kg	20	0.21	102			
Matrix Spike	Copper	28.44		mg/kg	20	8.95	97.4			
Matrix Spike	Lead	28.05		mg/kg	20	8.65	97.0			
Matrix Spike	Nickel	26.77		mg/kg	20	7.36	97.0			
Matrix Spike	Selenium	27.65		mg/kg	20	2.61	125			
Matrix Spike	Silver	20.67		mg/kg	20	<0.03	103			
Matrix Spike	Zinc	83.34		mg/kg	20	65.75	88.0			

**AA15387**

MB	Antimony	0.00		mg/kg						
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Beryllium	0.00		mg/kg						
MB	Boron	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Chromium	0.00		mg/kg						
MB	Cobalt	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Manganese	0.00		mg/kg						
MB	Mercury	0.00		mg/kg						
MB	Molybdenum	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Strontium	0.00		mg/kg						
MB	Thallium	0.00		mg/kg						
MB	Tin	0.00		mg/kg						
MB	Titanium	0.00		mg/kg						
MB	Vanadium	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						

**AA15389**

LCS	Antimony	0.11		mg/kg			110	80 - 120		
LCS	Arsenic	0.10		mg/kg			100	80 - 120		



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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Beryllium	0.11		mg/kg			110	80 - 120		
LCS	Boron	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Chromium	0.11		mg/kg			110	80 - 120		
LCS	Cobalt	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.11		mg/kg			110	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Manganese	0.10		mg/kg			100	80 - 120		
LCS	Mercury	0.10		mg/kg			100	80 - 120		
LCS	Molybdenum	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.11		mg/kg			110	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.10		mg/kg			100	80 - 120		
LCS	Strontium	0.11		mg/kg			110	80 - 120		
LCS	Thallium	0.10		mg/kg			100	80 - 120		
LCS	Tin	0.11		mg/kg			110	80 - 120		
LCS	Titanium	0.11		mg/kg			110	80 - 120		
LCS	Vanadium	0.11		mg/kg			110	80 - 120		
LCS	Zinc	0.12		mg/kg			120	80 - 120		

**AA15390**

LCS	Antimony	0.10		mg/kg			100	80 - 120		
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Beryllium	0.10		mg/kg			100	80 - 120		
LCS	Boron	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Chromium	0.10		mg/kg			100	80 - 120		
LCS	Cobalt	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Manganese	0.10		mg/kg			100	80 - 120		
LCS	Mercury	0.10		mg/kg			100	80 - 120		
LCS	Molybdenum	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.11		mg/kg			110	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Strontium	0.11		mg/kg			110	80 - 120		
LCS	Thallium	0.10		mg/kg			100	80 - 120		
LCS	Tin	0.10		mg/kg			100	80 - 120		
LCS	Titanium	0.10		mg/kg			100	80 - 120		
LCS	Vanadium	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.11		mg/kg			110	80 - 120		

**SAR-6143**

**AA15224**

Dup	Calcium	4.20		mEq/L	4.20	4.28			1.89	
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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Magnesium	1.24		mEq/L	1.24	1.27			2.39	
Dup	Sodium	27.33		mEq/L	27.33	27.74			1.49	
Dup	Sodium Adsorption Ratio	6.56		mEq/L	16.56	16.65			0.542	

**AA15405**

MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsorption Ratio	0.00								

**AA15406**

LCS	Calcium	11.73		ppm			117			
LCS	Magnesium	11.52		ppm			115			
LCS	Sodium	10.72		ppm			107			
LCS	Sodium Adsorption Ratio	0.53		ppm			98.1			

**AA15407**

LCS	Calcium	562.74		ppm			113			
LCS	Magnesium	558.65		ppm			112			
LCS	Sodium	560.06		ppm			112			
LCS	Sodium Adsorption Ratio	4.00		ppm			106			

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