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29 October 2024

Tony Gale  
KT Resources  
5841 Hwy 140  
Hesperus, CO 81328  
RE: AHU 25-34

Enclosed are the results of analyses for samples received by the laboratory on 10/21/24 14:35. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells  
Project Manager

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C24-00019

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C24-00112

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Project: Braden Head  
Project Name / Number: AHU 25-34  
Project Manager: Tony Gale

**Reported:**  
10/29/24 14:37

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
AHU 25-34	2410198-01	Water	10/20/24 10:00	10/21/24 14:35	

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### AHU 25-34

**2410198-01 (Produced Water)**

**Sampled Date: 10/20/24 10:00**

**Sampled By:**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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#### General Chemistry

Chloride*	10000	100	5.55	mg/L	100	10/23/24 15:52	EPA 300.0		AWG
pH*	9.34			pH Units	1	10/22/24 09:50	EPA 150.1		HIC
pH Temperature, degrees C	20.1			pH Units	1	10/22/24 09:50	EPA 150.1		HIC
Sulfate*	27.5	100	12.4	mg/L	100	10/23/24 15:52	EPA 300.0	J	AWG
Total Dissolved Solids*	18700	40.0		mg/L	4	10/25/24 16:13	EPA 160.1/SM 2540C		HIC

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### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B243144 - IC- Ion Chromatograph</b>										
<b>Blank (B243144-BLK1)</b>										
Prepared & Analyzed: 10/23/24										
Chloride	ND	1.00	mg/L							
Sulfate	0.258	1.00	mg/L							J
<b>LCS (B243144-BS1)</b>										
Prepared & Analyzed: 10/23/24										
Chloride	24.2	1.00	mg/L	25.0		96.7	90-110			
Sulfate	24.4	1.00	mg/L	25.0		97.6	90-110			
<b>LCS Dup (B243144-BSD1)</b>										
Prepared & Analyzed: 10/23/24										
Chloride	24.2	1.00	mg/L	25.0		96.8	90-110	0.0372	20	
Sulfate	24.4	1.00	mg/L	25.0		97.7	90-110	0.0533	20	
<b>Batch B243155 - General Prep - Wet Chem</b>										
<b>Reference (B243155-SRM1)</b>										
Prepared & Analyzed: 10/22/24										
pH	7.00		pH Units	7.00		100	98.57-101.42			
<b>Batch B243174 - General Prep - Wet Chem</b>										
<b>Blank (B243174-BLK1)</b>										
Prepared & Analyzed: 10/25/24										
Total Dissolved Solids	ND	10.0	mg/L							
<b>Reference (B243174-SRM1)</b>										
Prepared & Analyzed: 10/25/24										
Total Dissolved Solids	385	10.0	mg/L	400		96.2	85-115			

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*Veronica J. Wells*

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### Notes and Definitions

Q8	Sample(s) not received on ice.
Q1	Sample received outside of acceptable temperature range for analyses requiring cold storage.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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### Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
2410198			Q1	Sample received outside of acceptable temperature range for analyses requiring cold storage.
2410198			Q8	Sample(s) not received on ice.

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# Project Information

## KT Resources

3381 Westbrook Lane  
Highlands Ranch, CO 80129  
Laboratory PM: Veronica Wells

## KT Resources

Phone: (303) 886-8733  
Fax:

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**Project Name:** Braden Head

**Project Number:**

**Client PM:** Tony Gale

**Comments:**

Analysis	Comment
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Chloride [IC]

pH

Sulfate [IC]

Total Dissolved Solids [TDS]



SAMPLE CONDITION RECEIPT FORM

Client Name: KT Resources

Work Order # 2410198

Courier:  Fed Ex  UPS  USPS  Client  Kangaroo  Third Party  Other

Custody Seals on Box/Cooler Present:  Yes  No      Seals Intact:  Yes  No

Thermometer Used: #2      Samples on ice, cooling process has begun:  Yes  No

Type of Ice:  Wet  Blue  None

Cooler Temp: Observed Temp: 19.5 °C      Correction Factor: 0 °C      Final Temp: 19.5 °C

\* Temp should be above freezing to 6°C

Date/Initials of person examining contents: 10-21-24  
CDW  
Labeled by initials: \_\_\_\_\_  
(if different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. <u>PH</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. <u>Passed for PH.</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Matrix:	<u>WD</u> <input type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/Resolution: Sample arrived over 24hr temp. Client continued to run w/ qualifier.