



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Braden Head  
Project Name / Number: [none]  
Project Manager: Randall Klingler

**Reported:**  
06/02/25 11:54

3004523881

**Hubbell 3E Area 7**

**2505394-01 (Water)**

**Sampled Date: 05/27/25 13:00**

**Sampled By:**

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

Chloride*	115	20.0	9.94	mg/L	20	05/31/25 08:50	EPA 300.0		AWG
pH*	12.0			pH Units	1	05/29/25 16:18	EPA 150.1/9040C	H2	HIC
pH Temperature, degrees C	16.7			pH Units	1	05/29/25 16:18	EPA 150.1/9040C	H2	HIC
Sulfate*	2380	20.0	11.3	mg/L	20	05/31/25 08:50	EPA 300.0		AWG
Total Dissolved Solids*	4700	20.0		mg/L	2	05/29/25 16:22	EPA 160.1/SM 2540C		HIC

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



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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 B251441 - IC- Ion Chromatograph</b>										
<b>Blank (B251441-BLK1)</b>										
				Prepared: 05/29/25 Analyzed: 05/30/25						
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
<b>LCS (B251441-BS1)</b>										
				Prepared: 05/29/25 Analyzed: 05/30/25						
Chloride	23.4	1.00	mg/L				90-110			
Sulfate	23.4	1.00	mg/L				90-110			
<b>LCS Dup (B251441-BSD1)</b>										
				Prepared: 05/29/25 Analyzed: 05/30/25						
Chloride	24.2	1.00	mg/L				90-110	3.11	20	
Sulfate	24.1	1.00	mg/L				90-110	3.15	20	
<b>Matrix Spike (B251441-MS1)</b>										
		<b>Source: 2505313-01</b>		Prepared: 05/29/25 Analyzed: 05/31/25						
Chloride	24.9	1.00	mg/L		ND		85-115			
Sulfate	24.7	1.00	mg/L		ND		85-115			
<b>Matrix Spike (B251441-MS2)</b>										
		<b>Source: 2505313-02</b>		Prepared: 05/29/25 Analyzed: 05/31/25						
Chloride	31.7	1.00	mg/L		8.49		85-115			
Sulfate	62.0	1.00	mg/L		38.9		85-115			
<b>Matrix Spike Dup (B251441-MSD1)</b>										
		<b>Source: 2505313-01</b>		Prepared: 05/29/25 Analyzed: 05/31/25						
Chloride	25.0	1.00	mg/L		ND		85-115	0.381	20	
Sulfate	24.7	1.00	mg/L		ND		85-115	0.0162	20	
<b>Matrix Spike Dup (B251441-MSD2)</b>										
		<b>Source: 2505313-02</b>		Prepared: 05/29/25 Analyzed: 05/31/25						
Chloride	32.3	1.00	mg/L		8.49		85-115	2.12	20	
Sulfate	62.6	1.00	mg/L		38.9		85-115	1.02	20	
<b>Batch B251459 - General Prep - Wet Chem</b>										
<b>Blank (B251459-BLK1)</b>										
				Prepared & Analyzed: 05/29/25						
Total Dissolved Solids	ND	10.0	mg/L							
<b>Reference (B251459-SRM1)</b>										
				Prepared & Analyzed: 05/29/25						
Total Dissolved Solids	365	10.0	mg/L	400		91.2	85-115			
<b>Batch B251494 - General Prep - Wet Chem</b>										
<b>Duplicate (B251494-DUP1)</b>										
		<b>Source: 2505396-01</b>		Prepared & Analyzed: 05/29/25						
pH	7.32		pH Units		7.27			0.685	20	
pH Temperature, degrees C	19.2		pH Units		19.0			1.05	200	

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06/02/25 11:54

### General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B251494 - General Prep - Wet Chem (Continued)

##### Duplicate (B251494-DUP2)

Source: 2505388-03

Prepared & Analyzed: 05/29/25

pH	6.51		pH Units		6.48			0.462	20	
pH Temperature, degrees C	18.7		pH Units		18.8			0.533	200	

##### Reference (B251494-SRM1)

Prepared & Analyzed: 05/29/25

pH	6.93		pH Units	7.00		99.0	98.57-101.42			
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### Notes and Definitions

H2 Sample analysis performed past hold time specified by the method.

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>
2505394-01	pH	pH	H2	Sample analysis performed past hold time specified by the method.
2505394-01	pH	pH Temperature, degrees C	H2	Sample analysis performed past hold time specified by the method.

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75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

<b>Company or Client:</b>		Hilcorp North		<b>Bill to (if different):</b>		<b>ANALYSIS REQUEST</b>																							
<b>Address:</b>		382 Road 3100, Aztec, NM 87410				<b>P.O. #:</b>				<b>Bradenhead</b>		<b>Formational</b>		<b>Complete API water analysis/Fe, Mn/Phosphate</b>		<b>PO4</b>		<b>Metals Fe/Mn</b>		<b>Corrosivity 9040C (PH)</b>		<b>TCLP RCRA Metals</b>		<b>BTEX</b>		<b>Dissolved Chlorides</b>		<b>Total Dissolved Solids</b>	
<b>City:</b>	Aztec	<b>State:</b>	NM	<b>Zip:</b>	87410																								
<b>Phone #:</b>	505-793-9011																												
<b>Contact Person:</b>	Randy Klingler																												
<b>Email Report to:</b>	Randall.klingler@hilcorp.com																												
<b>Project Name(optional):</b>																													
<b>Sampler Name (Print):</b>																													
<b>Lab I.D.</b>		2505-344		<b>Sample Name or Location</b>																									
<b>Lab Use Only</b>		81		<b>Hubbell 3E Area 7</b>		<b>Date</b>		<b>Time</b>		<b>Matrix (check one)</b>		<b># of containers</b>																	
						5/27/25		1:00PM		<input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> SURFACE WATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> PRODUCED WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OTHER:		1																	

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 5/28/25

Received By:

Date: 5/28/25

ADDITIONAL REMARKS:

please email results to

Cameron.Skelton@hilcorp.com

Relinquished By:

Date: 5/28/25

Received By:

Date: 5/28/25

Relinquished By:

Date: 5/28/25

Received By:

Date: 5/28/25

Relinquished By:

Date: 5/28/25

Received By:

Date: 5/28/25

Temperature at receipt:

22.5 °C

Checked by:

On Ice? Y

Therm. used:

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com  
 \* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.





## SAMPLE CONDITION RECEIPT FORM

 Date/Initials of  
examining contents: CRN

Table of Contents

 Labeled by initials: \_\_\_\_\_  
(If different than above)
Client Name: HilcorpWork Order # 2505-394
 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Kangaroo ☐ Third Party ☐ Other

 Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_

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

 Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 2.8 °C Correction Factor: -0.9 °C Final Temp: 2.9 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
COC Signed when Relinquished and Received:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and Signature on COC: *Required for compliance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Correct Containers Used & Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. <u>3 day</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input type="checkbox"/> No	10.
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	11.
Matrix:	<u>WT</u> <input type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
VOA's meet headspace requirement (<6mm bubbles)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Non-Conformance(s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	13.

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

 Comments/Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 470274

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 470274
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	9/19/2025