



## **Reclamation Summary and Closure Request**

**North Fork Operating, LP**

**Hale State #4**

**Lea County, New Mexico**

**Unit Letter "H", Section 2, Township 25 South, Range 37 East**

**Latitude 32.160633 North, Longitude 103.126579 West**

**NMOCD Incident #: nAPP2502432240**

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Prepared For:

North Fork Operating, LP  
1000 W. Wilshire Boulevard Suite 311  
Nichols Hills, OK 73116

Prepared By:

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**April 2025**

A handwritten signature in black ink, appearing to read "Daniel Dominguez", is written over a horizontal line.

Daniel Dominguez  
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## HUNGRY HORSE, LLC

The following *Reclamation Summary and Closure Request* serves as a condensed update on proposed reclamation activities at the afore referenced Site.

### Background:

The site is located in Unit Letter H (SE/NE), Section 2, Township 25 South, Range 37 East, approximately five miles Northeast of Jal, in Lea County, New Mexico. The property is located on New Mexico State Trust Land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The location is a plugged well and well pad; Latitude 32.160633 North, Longitude 103.126579 West. The NMOCD Form C-141 indicated that on January 6, 2025 approximately 120 bbls of produced water were released due to overpressure from a nearby injection well system. A crew was dispatched to the release site to manage the release. Approximately 70 bbls were recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Permitting Portal.

### NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a Low Karst designated area. Groundwater depth information is provided as Attachment IV and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. Therefore, the site will be reclaimed according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
<50'	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of reclamation. Web Soil Survey indicates the area is located in the Kimbrough complex comprised of gravelly loam soils with 0 to 3 percent slopes, the Simona-Upton association comprised of gravelly fine sandy loam with 0 to 3 percent slopes, and the Berino-Cacique association comprised of loamy fine sands with 0 to 3 percent slopes. NMSLO Coarse Sites Seed Mixture will be utilized for seeding the area after remediation and reclamation activities are complete. Karst, Wetland, LPC, Flood, and Soil Maps are provided as Attachment I.



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**Remediation and Reclamation Actions:**

On January 7, 2025, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. From January 24-27, 2025 Hungry Horse personnel conducted delineation sampling. During sampling, sample test trenches were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the sample test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, sixty-six representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP18, HZ1 through HZ15, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 – SP11 and SP13 – SP17, at Surface, which exhibited chloride and/or TPH concentrations in excess of NMOCD Closure Criteria.

From March 3 – 26, 2025, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the release area, before transport to an NMOCD approved disposal facility. Site photographs are provided as Attachment III.

On March 14, 2025, Hungry Horse LLC notified NMOCD that the first round of closure samples would be collected on March 17, 2025. Correspondence is provided as Attachment II.

On March 17, 2025, one hundred fifty-seven composite confirmation soil samples were collected from the lease road excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL118 and SW1 through SW39, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On March 19, 2025, Hungry Horse LLC notified NMOCD that the second round of closure samples would be collected on March 21, 2025. Correspondence is provided as Attachment II.

On March 21, 2025, sixty-six composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL119 through FL166 and SW40 through SW58, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.





On March 20, 2025, Hungry Horse LLC notified NMOCD that the final round of closure samples would be collected on March 25, 2025. Correspondence is provided as Attachment II.

On March 25, 2025, ninety-eight composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL167 through FL251 and SW59 through SW70, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On March 24, 2025, soil samples were collected from the topsoil and caliche backfill pits and submitted to the laboratory for analysis. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The final excavated areas totaled approximately fifty thousand two-hundred square feet and ranged in depth from two to four feet in depth. During remediation activities approximately 6,378 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

Delineation Sample Map, Excavation Floor Sample Map 1, Excavation Floor Sample Map 2, Excavation Floor Sample Map 3, Excavation Sidewall Sample Map 1, and Excavation Sidewall Sample Map 2, are provided as Figure 4 through Figure 9, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

### **Sampling Procedure and Identification:**

During confirmation sampling, five-point composite soil samples were collected from the floor of the excavation, each collected sample representing an area no greater than 200 square feet. These sample locations are identified by FL designation. Five-point composite soil samples were also collected from the sidewalls of the excavation, with each collected sample representing an area no greater than 200 square feet. These sample locations are identified by SW designation.

Excavation sidewall samples SW1 through SW70 were collected as five-point composite samples collected from the sidewalls of the excavation, from the excavation surface to the excavation floor. Excavation Sidewall Sample Map 1, and Excavation Sidewall Sample Map 2, provided as Figure 8 and Figure 9, depict sidewall sample locations.

### **Restoration, Reclamation, and Re-Vegetation:**

As portions of the remediated area are not reasonably needed for production operations, the areas were reclaimed according to 19.15.29.13 NMAC. Based upon laboratory analytical results from confirmation soil samples, the excavations were backfilled with locally sourced, clean, non-impacted soil, of the same soil type as was excavated. The lease road has been backfilled with caliche.



The soil backfill included a cover top layer, which matches observable surrounding top layer thickness, backfilled with locally sourced, clean, non-impacted topsoil to provide suitable material to establish vegetative growth. The area was then contoured the site's existing grade to prevent ponding of water and erosion of the cover material.

The affected areas, excluding the lease road, were then tracked utilizing a dozer to ripple the soil to prepare the seed bed for seeding. The affected area was seeded, via hand broadcast at double the recommended rate, with NMSLO Coarse Sites seed mixture, free of noxious weeds, on April 7, 2025.

The site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMSLO Coarse Sites Seed Mixture is provided as Attachment VII.

### **Cultural and Biological Compliance:**

A regulatory review of the location utilizing the Information for Planning and Consultation (IPaC) website was completed to determine potential NM Resource impacts. The only NM Resource impacted by this project is the Lesser Prairie Chicken. However, timing restrictions were not enforced as our work schedule was outside the breeding season. IPaC Resource List provided as Attachment VIII.

As the remediation area does not extend beyond previously disturbed areas, an ARMS review and SPSS survey were not conducted. Remediation and reclamation activities did not extend beyond the previously disturbed areas designated for remediation. Compliance with CPP Rule was maintained throughout remediation activities. No cultural materials were encountered during the remediation process.

### **Closure Request:**

Remediation and reclamation activities were conducted in accordance with applicable NMOCD and NMSLO Regulations, and approved Reclamation Work Plan. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based upon these approved and completed reclamation activities, and laboratory analytical results, North Fork Operating, LP respectfully requests closure of the Hale State #4 location, nAPP2502432240.



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**Limitations:**

Hungry Horse, LLC, has prepared this *Reclamation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



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**Distribution:**

**North Fork Operating, LP**

1000 W. Wilshire Boulevard Suite 311  
Nichols Hills, OK 73116

**New Mexico Energy, Minerals and Natural Resources Department**

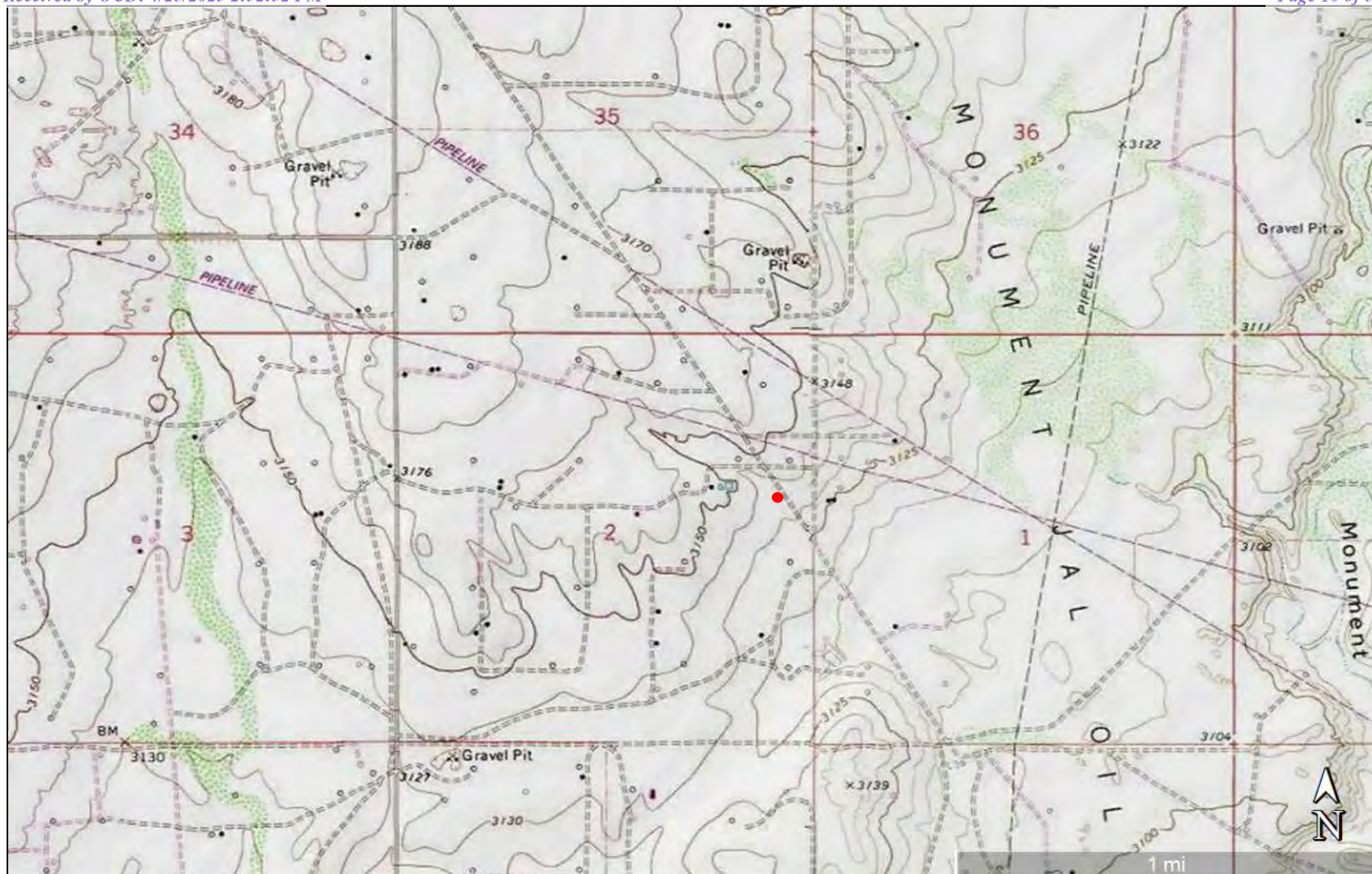
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

**New Mexico State Land Office**

602 N. Canal. Suite B  
Carlsbad, NM 88220

## Figures



**Figure 1**

Topographic Map  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

● Hale State #4 Location

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 Checked: jh  
 Date: 1/7/25





**Figure 2**

OSE POD Locations Map  
North Fork Operating, LP  
Hale State #4  
GPS: 32.160633, -103.126579  
Lea County

**Legend:**

- Hale State #4 Location
- Unknown OSE Water Well

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Checked: jh  
Date: 1/7/25





**Figure 3**

USGS Well Locations Map  
North Fork Operating, LP  
Hale State #4  
GPS: 32.160633, -103.126579  
Lea County

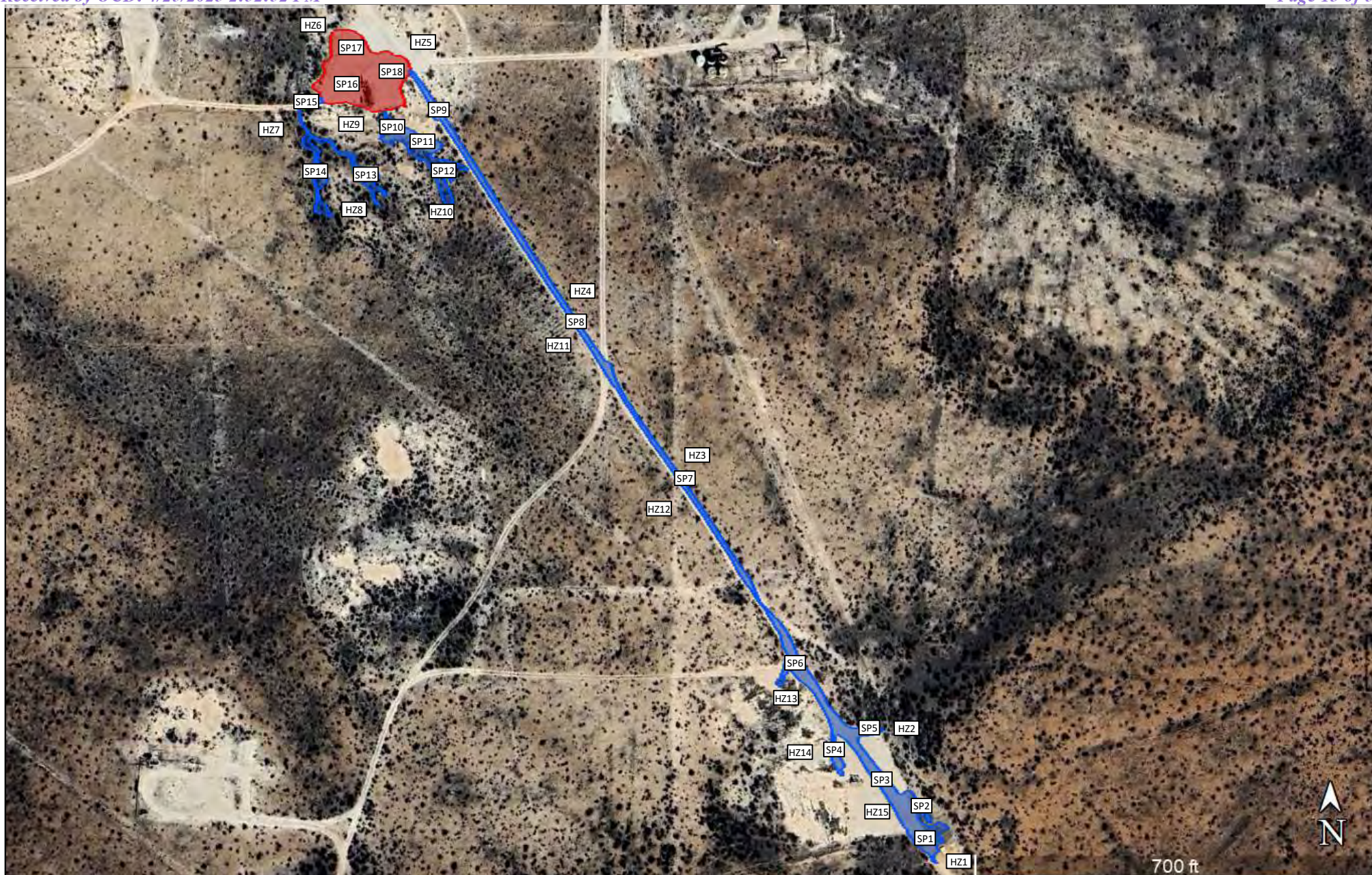
**Legend:**

- Hale State #4 Location
- USGS Well Location

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Date: 1/7/25





**Figure 4**

Delineation and Excavation Map  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

- Four Foot Excavation Area
- Two Foot Excavation Area
- SP1 Delineation Sample Locations
- HZ1 Horizontal Sample Locations

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 Checked: jh  
 Date: 1/24/25





**Figure 5**

Excavation Floor Sample Map 1  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

- Excavation Sample Area
- Composite Confirmation 200 Square Foot Sample Area
- FL1 Composite Confirmation Sample Location

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 Date: 3/24/25





**Figure 6**

Excavation Floor Sample Map 2

North Fork Operating, LP

Hale State #4

GPS: 32.160633, -103.126579

Lea County

**Legend:**

- Excavation Sample Area
- Composite Confirmation 200 Square Foot Sample Area
- FL1 Composite Confirmation Sample Location

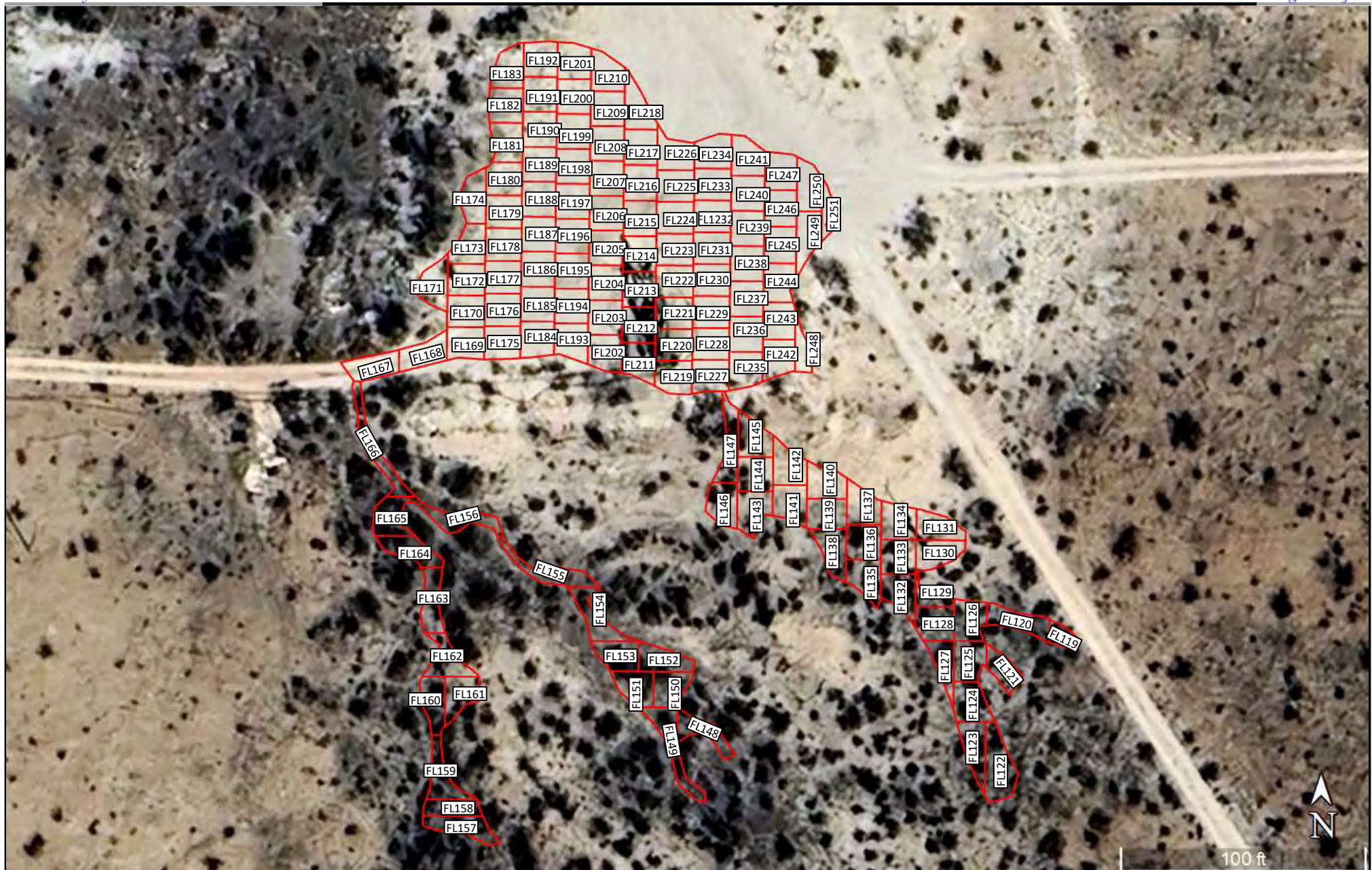
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Checked: jh

Date: 3/24/25





**Figure 7**

Excavation Floor Sample Map 3  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

- Excavation Sample Area
- Composite Confirmation 200 Square Foot Sample Area
- FL1 Composite Confirmation Sample Location

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 Date: 3/26/25





**Figure 8**

Excavation Sidewall Sample Map 1  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

- Excavated Area
- Composite Confirmation Sidewall Sample Boundary
- SW1 Composite Confirmation Sidewall Sample Location

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 Checked: jh  
 Date: 3/24/25





**Figure 9**

Excavation Sidewall Sample Map 2  
 North Fork Operating, LP  
 Hale State #4  
 GPS: 32.160633, -103.126579  
 Lea County

**Legend:**

- Excavation Area
- Composite Confirmation Sidewall Sample Boundary
- SW87 Composite Confirmation Sidewall Sample Location

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 Checked: jh  
 Date: 3/26/25



**Table**



**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,000</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SP2	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>29,200</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
SP3	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>26,400</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SP4	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>27,600</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SP5	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	183	183	81.5	<b>264.5</b>	<b>17,600</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SP6	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>29,200</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP7	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	61.2	61.2	14.3	75.5	<b>22,800</b>
	1/24/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP8	1/24/25	Surf	Excavated	<0.050	0.602	<10.0	38.6	38.6	12.7	51.3	<b>13,600</b>
	1/24/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP9	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>10,800</b>
	1/24/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SP10	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>40,000</b>
	1/24/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP11	1/24/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>39,200</b>
	1/24/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP12	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
	1/27/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SP13	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>35,600</b>
	1/27/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP14	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>38,000</b>
	1/27/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SP15	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>44,000</b>
	1/27/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SP16	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	1,640	1,640	643	<b>2,283</b>	<b>15,500</b>
	1/27/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	14.5	<30.0	160
SP17	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	10.0	<20.0	15.3	<30.0	<b>49,600</b>
	1/27/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP18	1/27/25	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	1/27/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria



**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
HZ1	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
HZ2	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
HZ3	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ4	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ5	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ6	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ7	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ8	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ9	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ10	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ11	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ12	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ13	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
HZ14	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HZ15	1/27/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	1/27/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL1	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL2	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL3	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL4	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL5	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL6	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL7	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL8	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL9	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL10	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL11	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL12	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL13	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL14	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL15	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL16	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL17	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL18	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL19	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL20	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL21	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL22	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL23	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL24	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL25	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL26	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL27	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL28	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL29	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL30	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL31	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL32	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL33	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL34	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL35	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL36	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL37	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL38	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL39	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL40	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL41	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL42	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL43	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL44	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL45	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL46	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL47	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL48	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL49	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL50	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL51	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL52	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL53	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL54	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL55	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL56	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL57	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL58	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL59	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL60	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL61	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL62	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL63	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL64	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL65	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL66	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL67	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL68	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL69	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL70	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL71	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL72	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL73	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL74	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL75	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL76	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>N/A</b>	<b>-</b>	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL77	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL78	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL79	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL80	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL81	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL82	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL83	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL84	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL85	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL86	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL87	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL88	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL89	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL90	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL91	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL92	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL93	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL94	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL95	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL96	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL97	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL98	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL99	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL100	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL101	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL102	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL103	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL104	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL105	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL106	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL107	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL108	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL109	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL110	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL111	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL112	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL113	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL114	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL115	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL116	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL117	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL118	3/17/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL119	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL120	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL121	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL122	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL123	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL124	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL125	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL126	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL127	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL128	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL129	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL130	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL131	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL132	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL133	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL134	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL135	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL136	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL137	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL138	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL139	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL140	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL141	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL142	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL143	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL144	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL145	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL146	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL147	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL148	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL149	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL150	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL151	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL152	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL153	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL154	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL155	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL156	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL157	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL158	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL159	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL160	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL161	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL162	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL163	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL164	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL165	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL166	3/21/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL167	3/25/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL168	3/25/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL169	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL170	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL171	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL172	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL173	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL174	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL175	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL176	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL177	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL178	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL179	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL180	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL181	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL182	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL183	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL184	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL185	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL186	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL187	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL188	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL189	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL190	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>N/A</b>	<b>-</b>	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria



**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL191	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL192	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL193	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL194	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL195	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL196	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL197	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL198	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL199	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL200	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL201	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL202	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL203	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL204	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL205	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL206	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL207	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL208	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL209	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL210	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL211	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL212	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL213	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL214	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL215	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL216	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL217	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL218	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL219	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL220	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL221	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL222	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL223	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL224	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL225	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL226	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL227	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL228	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL229	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL230	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL231	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL232	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL233	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL234	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL235	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL236	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL237	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL238	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL239	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL240	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL241	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL242	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL243	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL244	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL245	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL246	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL247	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL248	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL249	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL250	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL251	3/25/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW1	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW2	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW3	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW4	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW5	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW6	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW7	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW8	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW9	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW10	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW11	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW12	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW13	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW14	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW15	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria



**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SW16	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW17	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW18	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW19	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW20	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW21	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW22	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW23	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW24	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW25	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW26	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW27	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW28	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW29	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW30	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW31	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW32	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW33	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW34	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW35	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW36	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW37	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW38	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW39	3/17/25	0-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW40	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SW41	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW42	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW43	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW44	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW45	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW46	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW47	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW48	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW49	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW50	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW51	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW52	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW53	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**North Fork Operating, LP**  
**Hale State #4**  
**NMOCD Ref. #: nAPP2502432240**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SW54	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW55	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW56	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW57	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW58	3/21/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW59	3/25/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW60	3/25/25	0-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW61	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW62	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW63	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW64	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW65	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW66	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW67	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW68	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW69	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW70	3/25/25	0-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
Topsoil	3/24/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
Caliche	3/24/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>100</b>	<b>600</b>

**NOTES:**

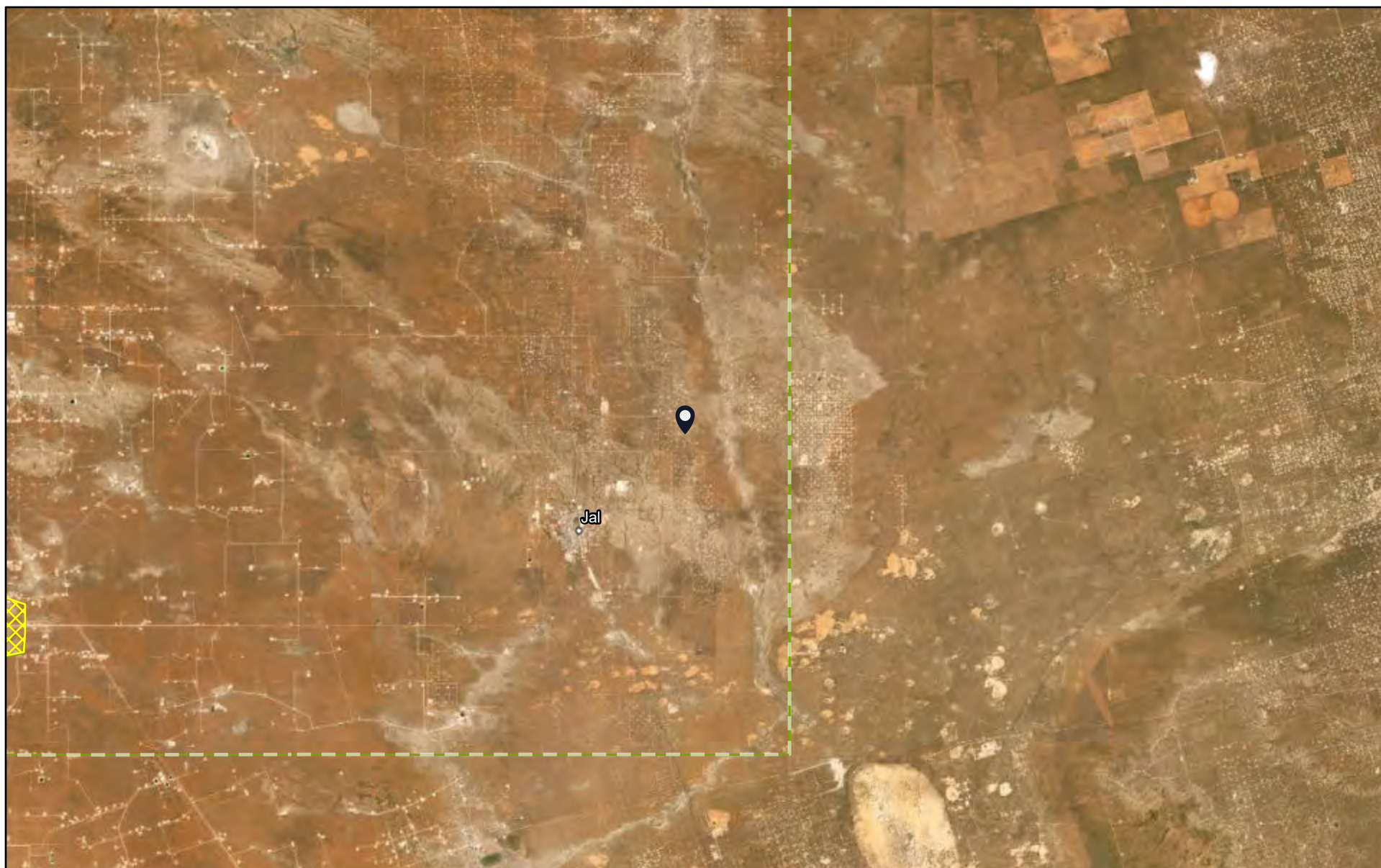
- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

# **Attachment I**

## **Karst, Wetland, LPC, Flood, and Soil Maps**

# Hale State #4



4/14/2025

BLM NM CFO Karst Potential Polys

Not Karst

Medium

World Imagery

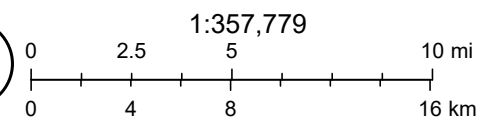
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

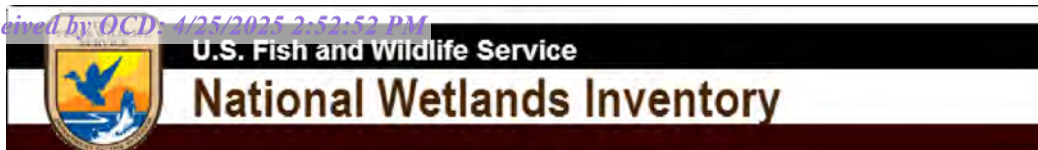
Citations

75m Resolution Metadata

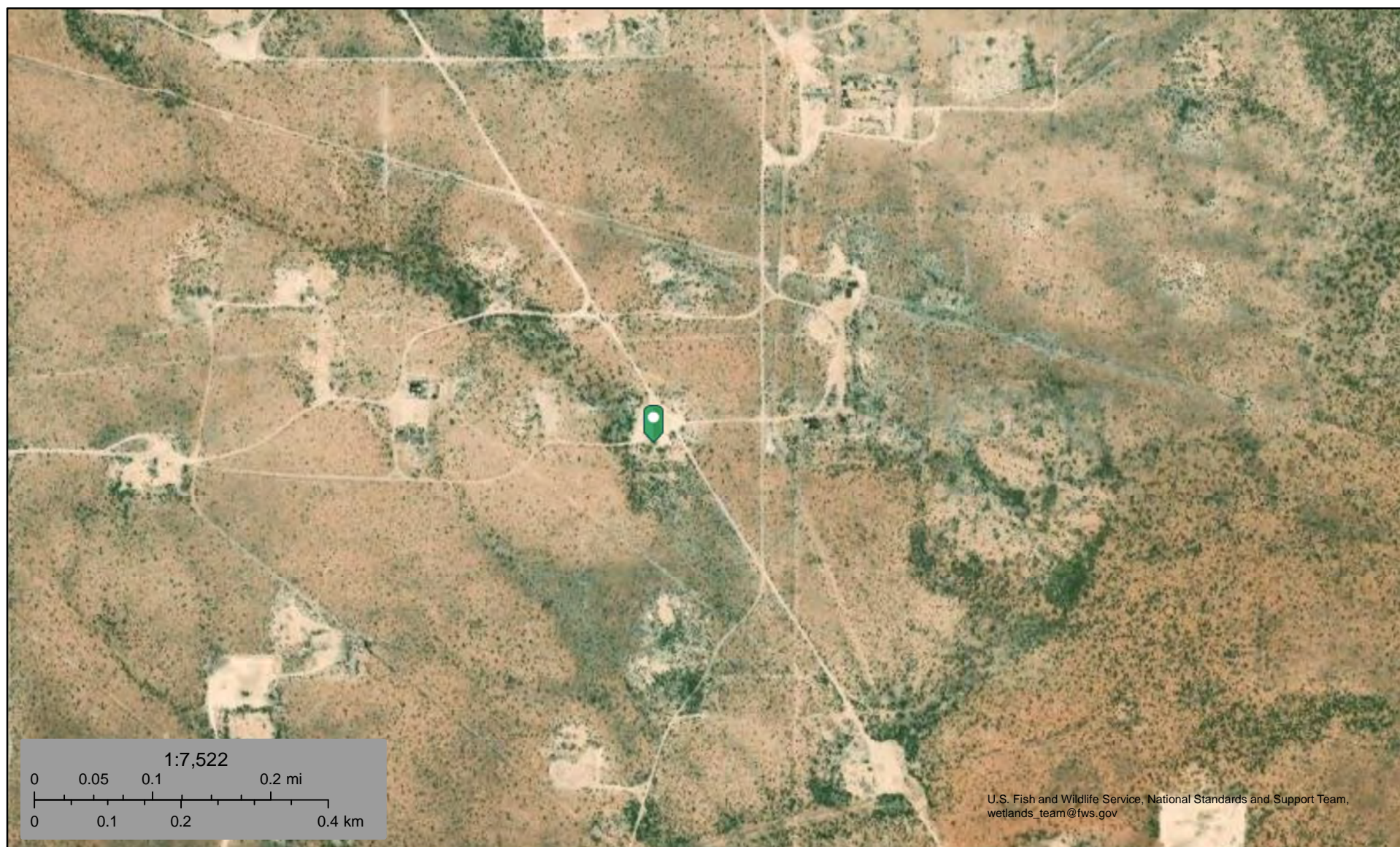


Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community





## Hale State #4



January 24, 2025

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

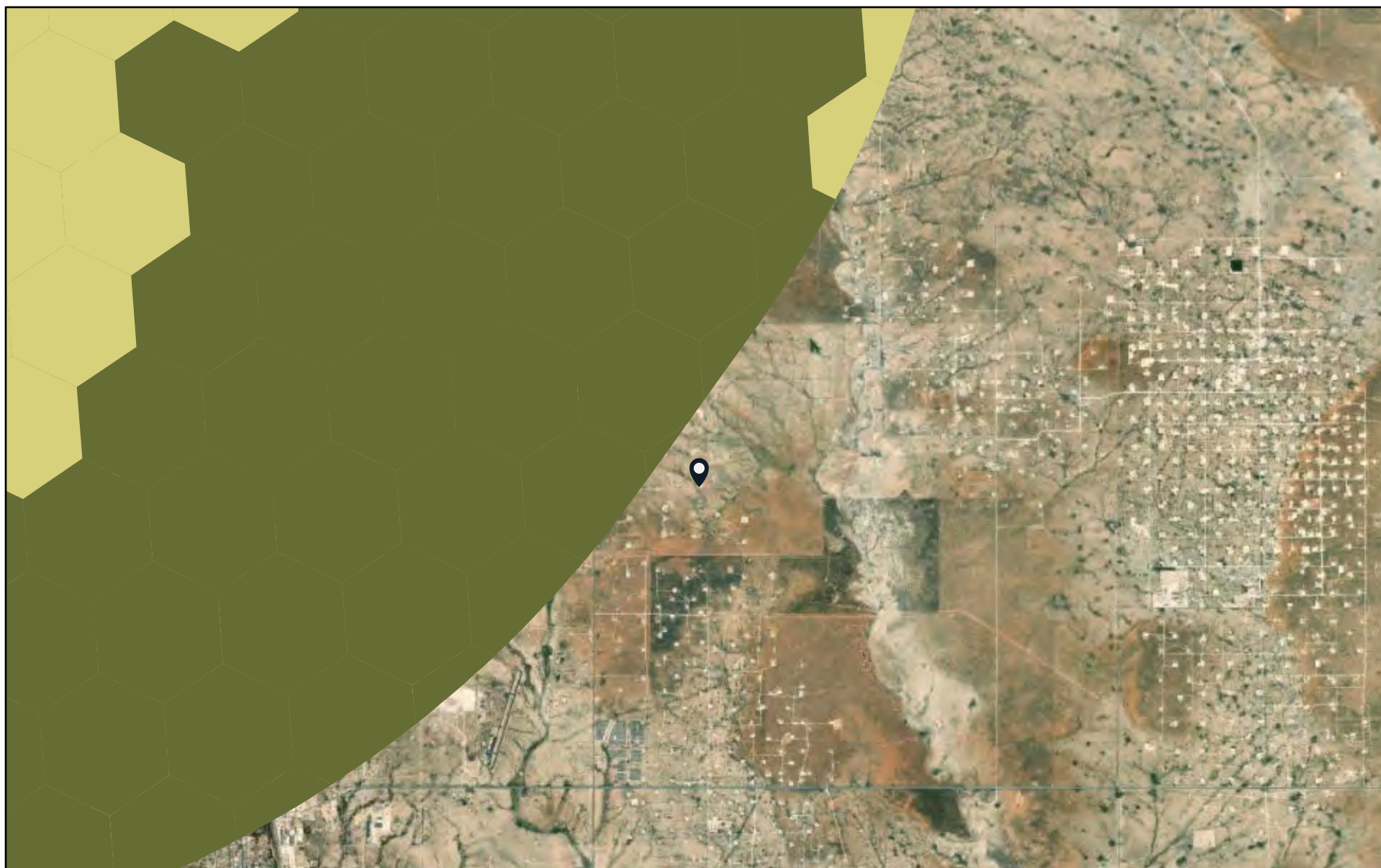
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



## Hale State #4



1/24/2025

CHAT 3: modeled available/potential LPC habitat

CHAT 4: modeled LPC non-habitat

World Imagery

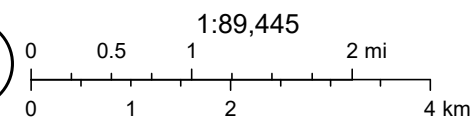
Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

19m Resolution Metadata



U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US., Earthstar Geographics

# National Flood Hazard Layer FIRMette



103°7'54"W 32°9'53"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/24/2025 at 5:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



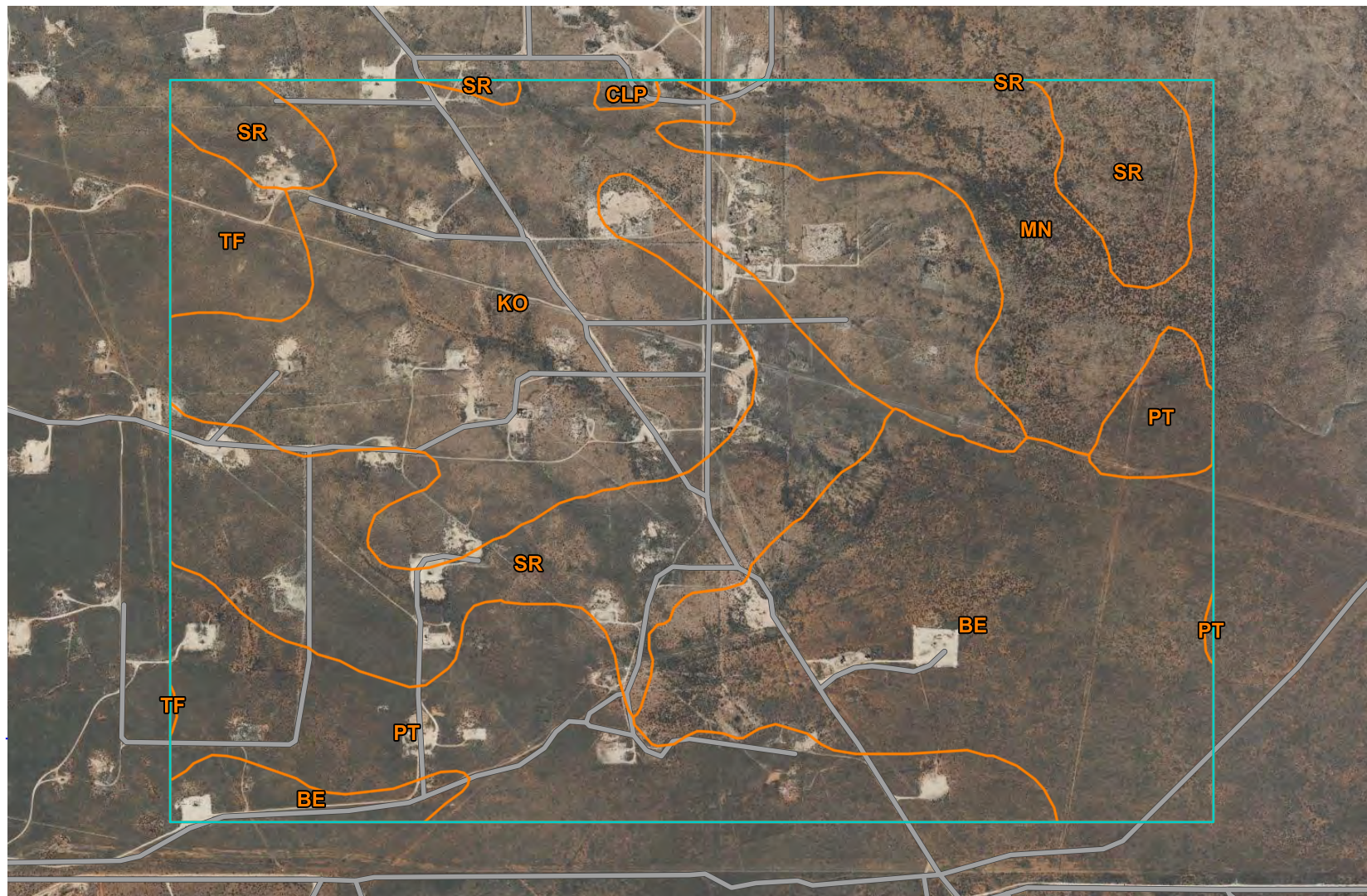
Soil Map—Lea County, New Mexico  
(Hale State #4)

32° 10' 8" N

103° 8' 28" W

103° 6' 34" W

32° 10' 8" N



32° 9' 5" N

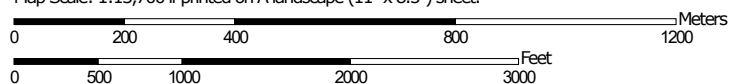
32° 9' 5" N

103° 8' 28" W

103° 6' 34" W



Map Scale: 1:13,700 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey


1/24/2025  
Page 1 of 3



Soil Map—Lea County, New Mexico  
(Hale State #4)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 18, 2020—Feb 17, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	201.8	22.0%
CLP	Caliche pit	2.0	0.2%
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	276.3	30.2%
MN	Ratliff-Wink fine sandy loams	89.9	9.8%
PT	Pyote loamy fine sand	140.9	15.4%
SR	Simona-Upton association	180.7	19.7%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	23.7	2.6%
<b>Totals for Area of Interest</b>		<b>915.4</b>	<b>100.0%</b>

## **Attachment II NMOCD Correspondence**

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 442423

**QUESTIONS**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 442423
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2502432240
Incident Name	NAPP2502432240 HALE STATE #4 @ 30-025-27550
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-27550] HALE STATE #004

Location of Release Source	
Site Name	Hale State #4
Date Release Discovered	01/06/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	23,600
What is the estimated number of samples that will be gathered	157
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
Time sampling will commence	08:00 AM
 <b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>  	
Please provide any information necessary for observers to contact samplers	Hector Luna 720-586-1727
Please provide any information necessary for navigation to sampling site	32.160628, -10.126581 118 floor and 39 sidewall this replaces the sampling event scheduled for 3-14-25. due to dangerous wind conditions the 3-14-25 sampling event has been cancelled.

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 442423

CONDITIONS

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 442423
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
maldridge	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/14/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 443777

**QUESTIONS**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 443777
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2502432240
Incident Name	NAPP2502432240 HALE STATE #4 @ 30-025-27550
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-27550] HALE STATE #004

<b>Location of Release Source</b>	
Site Name	Hale State #4
Date Release Discovered	01/06/2025
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,600
What is the estimated number of samples that will be gathered	66
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639
Please provide any information necessary for navigation to sampling site	32.160628, -103.126581 this notification cancels and corrects the previous sampling notification. date is incorrect. reads 2-21-25, should read 3-21-25

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 443777

CONDITIONS

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 443777
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
maldridge	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/19/2025



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 444381

**QUESTIONS**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 444381
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2502432240
Incident Name	NAPP2502432240 HALE STATE #4 @ 30-025-27550
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-27550] HALE STATE #004

Location of Release Source	
Site Name	Hale State #4
Date Release Discovered	01/06/2025
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	17,000
What is the estimated number of samples that will be gathered	98
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Hector Luna 720-586-1727
Please provide any information necessary for navigation to sampling site	32.160628, -103.126581 85 floor and 13 sidewall

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 444381

CONDITIONS

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 444381
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
maldridge	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/20/2025

## **Attachment III Site Photographs**

## **Attachment IV**

### **Depth to Groundwater**





## New Mexico Office of the State Engineer

# Wells With Well Log Information

No report data available.

### **UTM Filters (in meters):**

**Easting:** 676659.17

**Northing:** 3559778.57

**Radius:** 805

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

## **Attachment V**

### **Field Data**

## Sample Log

Hungry Horse, LLC

Project: Hale State #4

Karst Yes Water &lt;50'

Standard TPH 100mg/kg, Chloride 600mg/kg

Date:

GPS: 32.160633; -103.126579

Sampler: Roy Bell

Sample ID	Depth	PID/Odor	Chloride	GPS
SP-1	Surf	NO	more than 8.0	
	1'		$1.4 = 35 \times 4 = 140$	
	2'		$1.6 = 42 \times 4 = 168$	
	3'		< 100	
	4'		$1.4 = 35 \times 4 = 140$	
SP-2	Surf	NO	More than 8.0	
	1'		$3.6 = 132 \times 4 = 548$	
	2'		$1.4 = 35 \times 4 = 140$	
	3'		$1.8 = 49 \times 4 = 196$	
	4'		$2.8 = 92 \times 4 = 368$	
SP-3	Surf	NO	More than 8.0	
	1'		$3.0 = 103 \times 4 = 412$	
	2'		$2.0 = 57 \times 4 = 228$	
	3'		$1.4 = 35 \times 4 = 140$	
	4'		< 100	
SP-4	Surf	NO	More than 8.0	
	1'		$3.2 = 114 \times 4 = 456$	
	2'		$1.4 = 42 \times 4 = 168$	
	3'		< 100	
	4'		$2.0 = 57 \times 4 = 228$	
SP-5	Surf	NO	More than 8.0	
	1'		$1.4 = 35 \times 4 = 140$	
	2'		$1.2 = 29 \times 4 = 116$	
	3'		$1.6 = 42 \times 4 = 168$	
	4'		< 100	
SP-6	Surf	NO	More than 8.0	
	1'		$3.0 = 103 \times 4 = 412$	
	2'		$1.6 = 42 \times 4 = 168$	
	3'		$1.4 = 35 \times 4 = 140$	
	4'		$1.6 = 42 \times 4 = 168$	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

## Sample Log

Hungry Horse, LLC

Project: Hale State #4

Karst Yes Water &lt;50'

Standard TPH 100mg/kg, Chloride 600mg/kg

Date: 1-24-25

GPS: 32.160633, -103.126579

Sampler: Roy Bell

Sample ID	Depth	PID/Odor	Chloride	GPS
SP-7	Surf	—	greater than 8.0	
	1'		$14.4 = 14.3 \times 4 = 77.2$	
	2'		$2.0 = 57 \times 4 = 228$	
	3'		$1.8 = 49 \times 4 = 196$	
	4'		<100	
SP-8	Surf	—	greater than 8.0	
	1'		$21.0 = 164 \times 4 = 656$	
	2'		$2.2 = 65 \times 4 = 260$	
	3'		<100	
	4'		$1.8 = 49 \times 4 = 196$	
SP-9	Surf	—	more than 8.0	
	1'		$3.2 = 114 \times 4 = 456$	
	2'		$1.8 = 49 \times 4 = 196$	
	3'			
	4'			
SP-10	Surf	—	more than 8.0	
	1'		$3.2 = 114 \times 4 = 456$	
	2'		<100	
	3'			
	4'			
SP-11	Surf	—	greater than 8.0	
	1'		$3.4 = 125 \times 4 = 500$	
	2'		<100	
	3'			
	4'			
SP-12	Surf	—	$1.8 = 49 \times 4 = 196$	1-27-25
	1'		$2.2 = 65 \times 4 = 260$	
	2'		<100	
	3'		<100	
	4'		<100	

Sample Point = SP1 @ #1 etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ #1

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1



## Sample Log

Hungry Horse, LLC

Project: Hale State #4

Karst Yes Water <50'

Standard TPH 100mg/kg, Chloride 600mg/kg

Date: 1-27-25GPS: 32.160633, -103.126579Sampler: Roy Bell

Sample ID	Depth	PID/Odor	Chloride	GPS
SP-13	Surf	NO	over 8.0	
	1'	—	4.0 = $164 \times 4 = 656$	
	2'		<100	
	3'		<100	
	4'		1.8 = $49 \times 4 = 196$	
SP-14	Surf	—	over 8.0	
	1'		2.2 = $65 \times 4 = 260$	
	2'		1.6 = $42 \times 4 = 168$	
	3'		<100	
	4'		<100	
SP-15	Surf	—	More than 8.0	
	1'		3.2 = $114 \times 4 = 456$	
	2'		2.4 = $74 \times 4 = 296$	
	3'		1.9 = $44 \times 4 = 196$	
	4'		<100	
SP-16	Surf	—	Over 8.0	
	1'		6.0 = $354 \times 4 = 1416$	
	2'		6.2 = $381 \times 4 = 1524$	
	3'		4.4 = $193 \times 4 = 772$	
	4'		1.8 = $65 \times 4 = 260$	
SP-17	Surf	—	over 8.0	
	1'		4.4 = $193 \times 4 = 772$	
	2'		4.6 = $204 \times 4 = 816$	
	3'		4.0 = $164 \times 4 = 656$	
	4'		<100	
SP-18	Surf	—	1.8 = $49 \times 4 = 196$	
	1'		4.4 = $193 \times 4 = 772$	
	2'		6.0 = $354 \times 4 = 1416$	
	3'		4.0 = $164 \times 4 = 656$	
	4'		2.2 = $65 \times 4 = 260$	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW H1b

Stockpile = Stockpile #1



## Sample Log

Hungry Horse, LLC

Project: Hale State #4

Karst Yes Water &lt;50'

Standard TPH 100mg/kg, Chloride 600mg/kg

Date: 1-27-25

GPS: 32.160633, -103.126579

Sampler: Roy Bell

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ-1	Surf		<100	
	1		<100	
HZ-2	Surf		1.4 = 35 x 4 = 140	
	1		<100	
HZ-3	Surf		1.2 = 29 x 4 = 116	
	1		1.2 = 29 x 4 = 116	
HZ-4	Surf		1.6 = 42 x 4 = 168	
	1		1.2 = 29 x 4 = 116	
HZ5	Surf		<100	
	1		<100	
HZ6	Surf		1.9 = 49 x 4 = 196	
	1		<100	
HZ-7	Surf		1.9 = 49 x 4 = 196	
	1		1.2 = 29 x 4 = 116	
HZ-8	Surf		1.2 = 29 x 4 = 116	
	1		1.4 = 35 x 4 = 140	
HZ-9	Surf		1.2 = 29 x 4 = 116	
	1		1.6 = 42 x 4 = 168	
HZ10	Surf		1.4 = 35 x 4 = 140	
	1		1.2 = 29 x 4 = 116	
HZ11	Surf		1.4 = 35 x 4 = 140	
	1		1.4 = 35 x 4 = 140	
HZ-12	Surf		1.4 = 35 x 4 = 140	
	1		<100	

Sample Point = SP1 @ III etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-H

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #11

Stockpile = Stockpile #12

Sampler: Roy Bell

Stockpile = Stockpile #1

## **Attachment VI**

### **Laboratory Analytical Reports**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

February 03, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/24/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 1 SURF (H250485-01)**

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664	
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253	
Total BTX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	01/30/2025	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 1 4' (H250485-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/30/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal'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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 2 SURF (H250485-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29200	16.0	01/30/2025	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 2 4' (H250485-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/24/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 3 SURF (H250485-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26400	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 3 4' (H250485-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 SURF (H250485-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27600	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 4' (H250485-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/24/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 5 SURF (H250485-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17600	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	183	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	81.5	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 5 4' (H250485-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 SURF (H250485-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29200	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 4' (H250485-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 SURF (H250485-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664	
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250	
Ethylbenzene*	0.081	0.050	01/29/2025	ND	2.11	105	2.00	0.886	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253	
Total BTEx	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22800	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	61.2	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	14.3	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 4' (H250485-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.02	101	2.00	0.664		
Toluene*	<0.050	0.050	01/29/2025	ND	2.13	106	2.00	0.250		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.11	105	2.00	0.886		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.35	106	6.00	0.0253		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 SURF (H250485-15)**

BTEx 8021B		mg/kg	Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	0.080	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	0.060	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	0.462	0.150	01/29/2025	ND	6.88	115	6.00	0.369	GC-NC1	
Total BTEX	0.602	0.300	01/29/2025	ND						GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20		
DRO >C10-C28*	38.6	10.0	01/29/2025	ND	208	104	200	0.515		
EXT DRO >C28-C36	12.7	10.0	01/29/2025	ND						

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 2' (H250485-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 9 SURF (H250485-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/24/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 9 2' (H250485-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 10 SURF (H250485-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	40000	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 10 2' (H250485-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	208	104	200	2.20	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	208	104	200	0.515	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 11 SURF (H250485-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	39200	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 11 2' (H250485-22)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 12 SURF (H250485-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 12 2' (H250485-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 13 SURF (H250485-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35600	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 13 2' (H250485-26)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70	
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369	
Total BTEx	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/27/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 14 SURF (H250485-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	38000	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 14 2' (H250485-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 15 SURF (H250485-29)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70	
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44000	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 15 2' (H250485-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70	
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369	
Total BTEX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/27/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	UL/ H SEC 2 T25S - R37E	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: SP 16 SURF (H250485-31)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70	
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369	
Total BTEx	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15500	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	1640	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	643	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 16 4' (H250485-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	14.5	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 17 SURF (H250485-33)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70	
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653	
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369	
Total BTX	<0.300	0.300	01/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	49600	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	15.3	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 17 4' (H250485-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.21	111	2.00	1.70		
Toluene*	<0.050	0.050	01/29/2025	ND	2.25	113	2.00	0.653		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	6.88	115	6.00	0.369		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 18 SURF (H250485-35)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: UL/ H SEC 2 T25S - R37E  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 18 4' (H250485-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

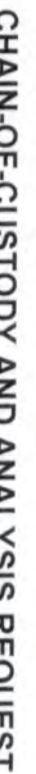
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Page 39 of 42





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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST											
Project Manager: Daniel Dominguez		Company: North Fork Operating, LP																							
Address: 4024 Plains Hwy		Attn: Mark Aldridge																							
City: Lovington		Address: 1000 W. VVismire Boulevard Suite 311																							
Phone #: 575 393-3386		City: Nichols Hills																							
Project #:		State: OK		Zip: 73116																					
Project Name: Hale State #4		State: NM		Zip: 88260																					
Project Location: UL/H Sec 2 T25S - R37E		Phone #: 405-843-8200		Fax #:																					
Sampler Name: Roy Bell		Matrix: GROUNDWATER		PRESERV:																					
FOR LAB USE ONLY		WASTEWATER		SAMPLING																					
Lab I.D. H250485		Depth		(G)RAB OR (C)OMP.		DATE		TIME		Chloride		TPH		BTEX 8021											
11 SP6		Surf		G 1		1/24/25				X		X		X											
12 SP6		4'		G 1		1/24/25				X		X		X											
13 SP7		Surf		G 1		1/24/25				X		X		X											
14 SP7		4'		G 1		1/24/25				X		X		X											
15 SP8		Surf		G 1		1/24/25				X		X		X											
16 SP8		2'		G 1		1/24/25				X		X		X											
17 SP9		Surf		G 1		1/24/25				X		X		X											
18 SP9		2'		G 1		1/24/25				X		X		X											
19 SP10		Surf		G 1		1/24/25				X		X		X											
20 SP10		2'		G 1		1/24/25				X		X		X											
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Relinquished By: [Signature]		Date: 1-28-25		Received By: [Signature]		Phone Result: [ ] Yes [ ] No		Add'l Phone #: [ ]																	
Relinquished By: [Signature]		Time: 10:20		Received By: [Signature]		Fax Result: [ ] Yes [ ] No		Add'l Fax #: [ ]																	
Delivered By: (Circle One) [Signature]		Sample Condition: [ ] Cool [ ] Intact		CHECKED BY: [Signature]																					
Sampler - UPS - Bus - Other: [Signature]		[ ] Yes [ ] No		[ ] Yes [ ] No																					
* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																									





## Page 41 of 42

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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---

February 03, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/28/2025	Sampling Date:	01/27/2025
Reported:	02/03/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: HZ 1 SURF (H250486-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEx	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 1 1' (H250486-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/30/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 2 SURF (H250486-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 2 1' (H250486-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	199	99.6	200	1.90	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	201	100	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 3 SURF (H250486-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 3 1' (H250486-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEx	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 4 SURF (H250486-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 4 1' (H250486-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 5 SURF (H250486-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 5 1' (H250486-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEx	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 6 SURF (H250486-11)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 6 1' (H250486-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEx	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 7 SURF (H250486-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 7 1' (H250486-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 8 SURF (H250486-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 8 1' (H250486-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 9 SURF (H250486-17)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 9 1' (H250486-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	1.96	97.9	2.00	1.30		
Toluene*	<0.050	0.050	01/30/2025	ND	2.05	102	2.00	1.33		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	1.97	98.7	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	5.81	96.9	6.00	0.571		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 10 SURF (H250486-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 10 1' (H250486-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 11 SURF (H250486-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 11 1' (H250486-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 12 SURF (H250486-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 12 1' (H250486-24)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTX	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	222	111	200	0.148	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	226	113	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 13 SURF (H250486-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2025	ND	2.33	116	2.00	3.63		
Toluene*	<0.050	0.050	01/29/2025	ND	2.35	118	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/29/2025	ND	2.37	119	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/29/2025	ND	7.02	117	6.00	1.22		
Total BTEx	<0.300	0.300	01/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 13 1' (H250486-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	2.27	114	2.00	7.31		
Toluene*	<0.050	0.050	01/30/2025	ND	2.10	105	2.00	8.73		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.29	115	2.00	9.37		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	7.08	118	6.00	9.12		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 14 SURF (H250486-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	2.27	114	2.00	7.31		
Toluene*	<0.050	0.050	01/30/2025	ND	2.10	105	2.00	8.73		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.29	115	2.00	9.37		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	7.08	118	6.00	9.12		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/29/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 14 1' (H250486-28)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	2.27	114	2.00	7.31		
Toluene*	<0.050	0.050	01/30/2025	ND	2.10	105	2.00	8.73		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.29	115	2.00	9.37		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	7.08	118	6.00	9.12		
Total BTX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/29/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 15 SURF (H250486-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	2.27	114	2.00	7.31		
Toluene*	<0.050	0.050	01/30/2025	ND	2.10	105	2.00	8.73		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.29	115	2.00	9.37		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	7.08	118	6.00	9.12		
Total BTEX	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/29/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 01/28/2025  
 Reported: 02/03/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 01/27/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ 15 1' (H250486-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2025	ND	2.27	114	2.00	7.31		
Toluene*	<0.050	0.050	01/30/2025	ND	2.10	105	2.00	8.73		
Ethylbenzene*	<0.050	0.050	01/30/2025	ND	2.29	115	2.00	9.37		
Total Xylenes*	<0.150	0.150	01/30/2025	ND	7.08	118	6.00	9.12		
Total BTEx	<0.300	0.300	01/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/29/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2025	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	01/29/2025	ND	216	108	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	01/29/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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---

### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST																																									
Project Manager: Daniel Dominguez		Address: 4024 Plains Hwy		Company: North Fork Operating, LP																																											
City: Lovington		State: NM		Zip: 88260		Attn: Mark Aldridge																																									
Phone #: 575 393-3386		Fax #:		Address: 1000 W. Wimsnre																																											
Project #:		Project Owner: North Fork Operating, LP		City: Nichols Hills																																											
Project Name: Hale State #4		State: OK		Zip: 73116																																											
Project Location: UL/H Sec 2 T25S - R37E		Phone #: 405-843-8200		Fax #:																																											
Sampler Name: Roy Bell		FOR LAB USE ONLY		PRESERV.		SAMPLING																																									
Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTX 8021											
H250481		1		H21		Surf		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		2		H21		1'		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		3		H22		Surf		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		4		H22		1'		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		5		H23		Surf		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		6		H23		1'		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		7		H24		Surf		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		8		H24		1'		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		9		H25		Surf		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
		10		H25		1'		G 1		X		X		X		X		X		X		X		X		X		1/27/25		X		X		X													
PLEASE NOTE: Liability and Damages. Cardinal'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 analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																															
Relinquished By: [Signature]		Date: 1-28-25		Received By: [Signature]		Date: 1-28-25		Time: 10:20		Received By: [Signature]		Date: 1-28-25		Time: 10:20																																	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)																																											
Sampler - UPS - Bus - Other: [Handwritten]		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		[Handwritten]																																											
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: [Handwritten]																																											
Email results to: pm@hungry-horse.com		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: [Handwritten]																																											
marka@northforkland.com		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: [Handwritten]																																											





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: _____		BILL TO		ANALYSIS REQUEST																	
Project Manager: Daniel Dominguez		City: Lovington		State: NM		Zip: 88260		Company: North Fork Operating, LP		Attn: Mark Aldridge		Address: 1000 W. Winnie		City: Boulevard Suite 311		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #: _____	
Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Company: North Fork Operating, LP		Attn: Mark Aldridge		Address: 1000 W. Winnie		City: Boulevard Suite 311		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #: _____	
Phone #: 575 393-3386		Fax #: _____		Project Owner: North Fork Operating, LP		City: Nichols Hills		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #: _____									
Project Name: Hale State #4		Project Location: UL/ H Sec 2 T25S - R37E		Sampler Name: Roy Bell		FOR LAB USE ONLY		Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME		SAMPLING		Chloride		TPH		BTEX 8021							
Lab I.D. Sample I.D. Depth		H250486		H26		Surf		G		1		1/27/25		X		X		X					
H26		H26		Surf		G		1		1		1/27/25		X		X		X					
H27		H27		Surf		G		1		1		1/27/25		X		X		X					
H27		H27		Surf		G		1		1		1/27/25		X		X		X					
H28		H28		Surf		G		1		1		1/27/25		X		X		X					
H28		H28		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29		Surf		G		1		1		1/27/25		X		X		X					
H29		H29																					





## Page 35 of 35

Released to Imaging: 5/23/2025 10:57:33 AM



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 21, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 13:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Alyssa Parras
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 1 3' (H251546-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.10	105	2.00	9.61	
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 2 3' (H251546-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 3 3' (H251546-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 4 3' (H251546-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 5 3' (H251546-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 6 3' (H251546-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 7 3' (H251546-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 8 3' (H251546-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 9 3' (H251546-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	195	97.4	200	0.462	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 10 3' (H251546-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 11 3' (H251546-11)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27	
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 12 3' (H251546-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 13 3' (H251546-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 14 3' (H251546-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 15 3' (H251546-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
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 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 16 3' (H251546-16)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27	
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 17 3' (H251546-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Hungry Horse Environmental  
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 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 18 3' (H251546-18)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27	
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 19 3' (H251546-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
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 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 20 3' (H251546-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 21 3' (H251546-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27	
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 22 3' (H251546-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	101	2.00	5.27		
Toluene*	<0.050	0.050	03/18/2025	ND	2.11	105	2.00	2.84		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.17	108	2.00	3.87		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.32	105	6.00	3.23		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 23 3' (H251546-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 24 3' (H251546-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 25 3' (H251546-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 26 3' (H251546-26)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 27 3' (H251546-27)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 28 3' (H251546-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 29 3' (H251546-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	181	90.7	200	0.795	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	182	90.8	200	0.952	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 127 % 44.4-145

Surrogate: 1-Chlorooctadecane 129 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 30 3' (H251546-30)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 50.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 46.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 31 3' (H251546-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 61.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 32 3' (H251546-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 45.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 40.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 33 3' (H251546-33)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 34 3' (H251546-34)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 64.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 35 3' (H251546-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 36 3' (H251546-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 37 3' (H251546-37)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 38 3' (H251546-38)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 39 3' (H251546-39)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 40 3' (H251546-40)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 65.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 41 3' (H251546-41)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 68.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 42 3' (H251546-42)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.35	117	2.00	11.2		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	11.0		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.47	123	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.65	128	6.00	10.1		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 43 3' (H251546-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4	QM-07	
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 44 3' (H251546-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 45 3' (H251546-45)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4	
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2	
Total BTX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 46 3' (H251546-46)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 47 3' (H251546-47)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 48 3' (H251546-48)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 49 3' (H251546-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	180	90.1	200	3.24	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	174	87.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 50 3' (H251546-50)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 63.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 51 3' (H251546-51)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 57.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 54.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 52 3' (H251546-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 53 3' (H251546-53)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4	
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2	
Total BTX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 54 3' (H251546-54)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 55 3' (H251546-55)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 56 3' (H251546-56)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 57 3' (H251546-57)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 58 3' (H251546-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 59 3' (H251546-59)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 60 3' (H251546-60)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4	
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2	
Total BTEx	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 59.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 61 3' (H251546-61)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4		
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 62 3' (H251546-62)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.92	96.0	2.00	13.4	
Toluene*	<0.050	0.050	03/19/2025	ND	2.23	111	2.00	17.0	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.37	119	2.00	16.1	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.07	118	6.00	16.2	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 65.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 63 3' (H251546-63)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 64 3' (H251546-64)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 70.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 65 3' (H251546-65)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 66 3' (H251546-66)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477	
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 67 3' (H251546-67)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 66.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 68 3' (H251546-68)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 62.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 69 3' (H251546-69)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477	
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	198	99.0	200	0.903	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	190	94.9	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 67.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 70 3' (H251546-70)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.5 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 71 3' (H251546-71)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477	
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 72 3' (H251546-72)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 73 3' (H251546-73)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/18/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 74 3' (H251546-74)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 75 3' (H251546-75)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 76 3' (H251546-76)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 77 3' (H251546-77)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 78 3' (H251546-78)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477	
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709	
Total BTEx	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 79 3' (H251546-79)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477	
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709	
Total BTEx	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 80 3' (H251546-80)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC

Project Manager: Daniel Dominguez

Address: 4024 Plains Hwy

City: Lovington

Phone #: 575 393-3386

Project #:

Project Name: Hale State #4

Project Location: U/L H Sec 2 T25S - R37E

Sampler Name: Hector Luna

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth

H251546

FL1

3'

2

FL2

3'

3

FL3

3'

4

FL4

3'

5

FL5

3'

6

FL6

3'

7

FL7

3'

8

FL8

3'

9

FL9

3'

10

FL10

3'

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride

TPH

BTEX 8021

Date: 3/17/25

Time: 1:31

Received By: [Signature]

Relinquished By: [Signature]

Date: 3/17/25

Time: 1:31

Received By: [Signature]

Relinquished By: [Signature]

Date: 3/17/25

Time: 1:31

Received By: [Signature]

Relinquished By: [Signature]

Date: 3/17/25

Time: 1:31

Received By: [Signature]

Relinquished By: [Signature]

REMARKS:

Email results to: pm@hungry-horse.com

marka@northforkland.com

Sample Condition

Cool - Intact

Yes Yes

No No

CHECKED BY:

(Initials)

PP

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Hungry Horse LLC		<b>P.O. #:</b>		<b>BILL TO</b>																				
<b>Project Manager:</b> Daniel Dominguez		<b>Company:</b> North Fork Operating, LP		<b>ANALYSIS REQUEST</b>																				
<b>Address:</b> 4024 Plains Hwy		<b>Attn:</b> Mark Aldridge																						
<b>City:</b> Lovington	<b>State:</b> NM	<b>Zip:</b> 88260	<b>Address:</b> 1000 W. Williams Blvd																					
<b>Phone #:</b> 575-393-3386	<b>Fax #:</b>	<b>Project Owner:</b> North Fork Operating, LP	<b>City:</b> Nicholas Hills																					
<b>Project #:</b>	<b>State:</b> NM	<b>Zip:</b> 73116	<b>Phone #:</b> 405-843-8200																					
<b>Project Location:</b> U/L H Sec 2 T25S - R37E	<b>Sample Name:</b> Hector Luna	<b>Fax #:</b>	<b>DATE</b>	<b>TIME</b>	<b>Chloride</b>	<b>TPH</b>	<b>BTEX 8021</b>																	
<b>FOR LAB USE ONLY</b>																								
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>Depth</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE:</b>	<b>ICE / COOL</b>	<b>OTHER :</b>	<b>DATE</b>	<b>TIME</b>	<b>Chloride</b>	<b>TPH</b>	<b>BTEX 8021</b>						
11	FL11	3'	C	1										3/17/25	815	X	X	X						
12	FL12	3'	C	1										3/17/25	816	X	X	X						
13	FL13	3'	C	1										3/17/25	817	X	X	X						
14	FL14	3'	C	1										3/17/25	818	X	X	X						
15	FL15	3'	C	1										3/17/25	819	X	X	X						
16	FL16	3'	C	1										3/17/25	820	X	X	X						
17	FL17	3'	C	1										3/17/25	821	X	X	X						
18	FL18	3'	C	1										3/17/25	822	X	X	X						
19	FL19	3'	C	1										3/17/25	823	X	X	X						
20	FL20	3'	C	1										3/17/25	824	X	X	X						

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**Relinquished By:** *[Signature]* **Date:** 3/17/25 **Received By:** *[Signature]* **Date:** 3/17/25

**Relinquished By:** *[Signature]* **Date:** 3/17/25 **Received By:** *[Signature]* **Date:** 3/17/25

**Delivered By: (Circle One)** *BAIC/Cox/32* **Sample Condition:** ☒ Cool ☐ Intact ☐ Yes ☐ No **CHECKED BY:** *[Signature]*

**Sampler - UPS - Bus - Other:** *32/4/14* ☐ Yes ☐ No ☐ Yes ☐ No

**REMARKS:** Email results to: pm@hungry-horse.com  
marka@northforkland.com

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:	
Project Manager: Daniel Dominguez		Company: North Fork Operating, LP	
Address: 4024 Plains Hwy		Attn: Mark Aldridge	
City: Lovington	State: NM	Zip: 88260	Address: 1000 W. WYOMING
Phone #: 575 393-3386	Fax #:	Address: Boulevard Suite 311	
Project #:	Project Owner: North Fork Operating, LP	City: Nichols Hills	State: OK
Project Name: Hale State #4	State: OK	Zip: 73116	Phone #: 405-843-8200
Project Location: U/L H Sec 2 T25S - R37E	Fax #:	PRESERV. SAMPLING	
Sampler Name: Hector Luna	DATE TIME		

Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021										
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL													
31	FL31	3'	C	1	X								3/17/25	835	X	X	X								
32	FL32	3'	C	1	X								3/17/25	836	X	X	X								
33	FL33	3'	C	1	X								3/17/25	837	X	X	X								
34	FL34	3'	C	1	X								3/17/25	838	X	X	X								
35	FL35	3'	C	1	X								3/17/25	839	X	X	X								
36	FL36	3'	C	1	X								3/17/25	840	X	X	X								
37	FL37	3'	C	1	X								3/17/25	841	X	X	X								
38	FL38	3'	C	1	X								3/17/25	842	X	X	X								
39	FL39	3'	C	1	X								3/17/25	843	X	X	X								
40	FL40	3'	C	1	X								3/17/25	844	X	X	X								

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Relinquished By: <i>[Signature]</i>	Date: 3-17-25	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: 3-17-25	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>39C / 40-3i</i>	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	CHECKED BY: <i>[Signature]</i>	REMARKS:	
Sampler - UPS - Bus - Other: <i>39C / #140</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No		Email results to: <i>pm@hungry-horse.com</i> <i>marka@northforkland.com</i>	

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## Page 87 of 90

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Hungry Horse LLC		<b>P.O. #:</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																
<b>Project Manager:</b> Daniel Dominguez		<b>Company:</b> North Fork Operating, LP																				
<b>Address:</b> 4024 Plains Hwy		<b>Attn:</b> Mark Aldridge																				
<b>City:</b> Lovington	<b>State:</b> NM	<b>Zip:</b> 88260																				
<b>Phone #:</b> 575 393-3386	<b>Fax #:</b>	<b>Address:</b> 1000 W. Williams Blvd																				
<b>Project #:</b>	<b>Project Owner:</b> North Fork Operating, LP	<b>City:</b> Nichols Hills																				
<b>Project Name:</b> Hale State #4	<b>State:</b> OK	<b>Zip:</b> 73116																				
<b>Project Location:</b> U/H Sec 2 T25S - R37E	<b>Phone #:</b> 405-843-8200																					
<b>Sampler Name:</b> Hector Luna	<b>Fax #:</b>																					
<b>FOR LAB USE ONLY</b>																						
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>Depth</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>					<b>PRESERV.</b>	<b>SAMPLING</b>	<b>DATE</b>	<b>TIME</b>	<b>Chloride</b>	<b>TPH</b>	<b>BTEX 8021</b>						
51	FL51	3'	C	1										X	X	X						
52	FL52	3'	C	1										X	X	X						
53	FL53	3'	C	1										X	X	X						
54	FL54	3'	C	1										X	X	X						
55	FL55	3'	C	1										X	X	X						
56	FL56	3'	C	1										X	X	X						
57	FL57	3'	C	1										X	X	X						
58	FL58	3'	C	1										X	X	X						
59	FL59	3'	C	1										X	X	X						
60	FL60	3'	C	1										X	X	X						
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' 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 Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																						
<b>Relinquished By:</b> <i>[Signature]</i>		<b>Date:</b> 8/7/25	<b>Received By:</b> <i>[Signature]</i>																			
<b>Relinquished By:</b>		<b>Date:</b>	<b>Received By:</b>																			
<b>Delivered By: (Circle One)</b> <i>2-9-25 / 4-23-25</i>		<b>Sample Condition</b>		<b>CHECKED BY:</b> <i>[Signature]</i>																		
<b>Sampler - UPS - Bus - Other:</b> <i>3-2-25 / 4-23-25</i>		<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact																				
		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No																				
<small>† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476</small>																						





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(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:						Hungry Horse LLC
Project Manager:						Daniel Dominguez
Address:						4024 Plains Hwy
City:		Lovington	State:		NM	
			Zip:		88260	
Phone #:		575 393-3386	Fax #:			
Project #:			Project Owner:		North Fork Operating, LP	
Project Name:		Hale State #4	State:		OK	
Project Location:		UL/H Sec 2 T2S - R37E	Phone #:		405-843-8200	
Sampler Name:		Hector Luna	Fax #:			
FOR LAB USE ONLY						
Lab I.D.		Sample I.D.	Depth		(G)RAB OR (C)OMP.	
HBSIS46			# CONTAINERS		GROUNDWATER	
L61		FL61	3'	C 1	X	
L62		FL62	3'	C 1	X	
L63		FL63	3'	C 1	X	
L64		FL64	3'	C 1	X	
L65		FL65	3'	C 1	X	
L66		FL66	3'	C 1	X	
L67		FL67	3'	C 1	X	
L68		FL68	3'	C 1	X	
L69		FL69	3'	C 1	X	
L70		FL70	3'	C 1	X	
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Relinquished By:		Date:	Time:	Received By:		
Jetta Lu		3/17/25	13:21	A. B. [Signature]		
Relinquished By:		Date:	Time:	Received By:		
Delivered By: (Circle One)		S.A.C. / C.T.O.S.	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Baird HAD	Cool Intact		[X] Yes [ ] No	
			Yes [X] No [ ]			
REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com						





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(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 90 of 90





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

March 21, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 13:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/17/2025	Sampling Date:	03/17/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Alyssa Parras
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 81 3' (H251547-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13	
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 82 3' (H251547-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 83 3' (H251547-03)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 84 3' (H251547-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 85 3' (H251547-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 86 3' (H251547-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 87 3' (H251547-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 88 3' (H251547-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13	
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 89 3' (H251547-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	228	114	200	3.00	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	105	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.5 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 90 3' (H251547-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 91 3' (H251547-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 92 3' (H251547-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.87	93.6	2.00	0.477		
Toluene*	<0.050	0.050	03/19/2025	ND	2.01	100	2.00	0.188		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.04	102	2.00	0.676		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.34	106	6.00	0.709		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 93 3' (H251547-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 94 3' (H251547-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 95 3' (H251547-15)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174	
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 96 3' (H251547-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 97 3' (H251547-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 98 3' (H251547-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 99 3' (H251547-19)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 100 3' (H251547-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174	
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 65.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 101 3' (H251547-21)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 102 3' (H251547-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 103 3' (H251547-23)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 104 3' (H251547-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 105 3' (H251547-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 106 3' (H251547-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 62.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 107 3' (H251547-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 108 3' (H251547-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 109 3' (H251547-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.37	106	6.00	3.75		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	212	106	200	3.09	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	207	103	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 110 3' (H251547-30)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.37	106	6.00	3.75		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 111 3' (H251547-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.37	106	6.00	3.75		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 67.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 112 3' (H251547-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.97	98.5	2.00	0.174		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	104	2.00	0.955		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	3.94		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.37	106	6.00	3.75		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 113 3' (H251547-33)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5	QM-07	
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0	QM-07	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6	QM-07	
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 114 3' (H251547-34)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.1 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 115 3' (H251547-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 116 3' (H251547-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 117 3' (H251547-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 118 3' (H251547-38)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 1 0-3' (H251547-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 2 0-3' (H251547-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 53.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 47.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 3 0-3' (H251547-41)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 4 0-3' (H251547-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 5 0-3' (H251547-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 6 0-3' (H251547-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 7 0-3' (H251547-45)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 8 0-3' (H251547-46)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 9 0-3' (H251547-47)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 10 0-3' (H251547-48)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 11 0-3' (H251547-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2025	ND	215	107	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	215	108	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 12 0-3' (H251547-50)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 13 0-3' (H251547-51)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 14 0-3' (H251547-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.15	108	2.00	17.5		
Toluene*	<0.050	0.050	03/19/2025	ND	2.13	107	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.29	114	2.00	10.0		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.08	118	6.00	10.6		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 15 0-3' (H251547-53)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 57.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 50.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 16 0-3' (H251547-54)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 17 0-3' (H251547-55)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3	
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 18 0-3' (H251547-56)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3	
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1	
Total BTX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 19 0-3' (H251547-57)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3	
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1	
Total BTEX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 20 0-3' (H251547-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 21 0-3' (H251547-59)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/18/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.2 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 22 0-3' (H251547-60)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 62.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 53.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 23 0-3' (H251547-61)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 24 0-3' (H251547-62)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 25 0-3' (H251547-63)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 26 0-3' (H251547-64)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/19/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 27 0-3' (H251547-65)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 28 0-3' (H251547-66)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 29 0-3' (H251547-67)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 30 0-3' (H251547-68)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 71.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 31 0-3' (H251547-69)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	214	107	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	211	105	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 32 0-3' (H251547-70)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 33 0-3' (H251547-71)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEX	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 34 0-3' (H251547-72)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	2.13	106	2.00	14.3		
Toluene*	<0.050	0.050	03/19/2025	ND	2.16	108	2.00	14.6		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.33	117	2.00	14.8		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	7.09	118	6.00	14.1		
Total BTEx	<0.300	0.300	03/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 35 0-3' (H251547-73)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	15.7	
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	13.6	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	12.8	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.93	98.9	6.00	12.9	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 36 0-3' (H251547-74)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	15.7		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	13.6		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	12.8		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.93	98.9	6.00	12.9		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 84.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 37 0-3' (H251547-75)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	15.7	
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	13.6	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	12.8	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.93	98.9	6.00	12.9	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 38 0-3' (H251547-76)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	15.7		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	13.6		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	12.8		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.93	98.9	6.00	12.9		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/17/2025  
 Reported: 03/21/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 39 0-3' (H251547-77)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	15.7	
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	13.6	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	12.8	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.93	98.9	6.00	12.9	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC

Project Manager: Daniel Dominguez

Address: 4024 Plains Hwy

City: Lovington

Phone #: 575 393-3386

Project #:

Project Name: Hale State #4

Project Location: U/L H Sec 2 T25S - R37E

Sampler Name: Hector Luna

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth

HS1547

FL81

3'

FL82

3'

3'

FL83

3'

3'

FL84

3'

3'

FL85

3'

3'

FL86

3'

3'

FL87

3'

3'

FL88

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FL89

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FL106

3'

3'

FL107

3'

3'

FL108

3'

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FL109

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3'

FL110

3'

3'

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Relinquished By: [Signature] Date: 3/17/25 Time: 1:30 PM Received By: [Signature] Date: 3/17/25 Time: 1:30 PM

Delivered By: (Circle One) B.G. - 8:00 PM / 4:00 PM Sample Condition: Cool ☒ Intact ☐ Yes ☐ No ☐ No

Sampler - UPS - Bus - Other: B.G. - 8:00 PM / 4:00 PM

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com

Phone Result: ☐ Yes ☐ No Add'l Phone #: Fax Result: ☐ Yes ☐ No Add'l Fax #:





## Page 81 of 87

Released to Imaging: 5/23/2025 10:57:33 AM





## Page 82 of 87

Released to Imaging: 5/23/2025 10:57:33 AM





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Hungry Horse LLC	BILL TO		ANALYSIS REQUEST									
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Project Manager:	Daniel Dominguez	P.O. #:												
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Address:	4024 Plains Hwy	Company:	North Fork Operating, LP											
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City:	Lovington	State:	NM	Zip:	88260	Attn:	Mark Aldridge					
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Phone #:	575 393-3386	Fax #:			Address:	1000 W. Williams Blvd Suite 311						
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Project #:		Project Owner:	North Fork Operating, LP			City:	Nichols Hills					
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Project Name:	Hale State #4	State:	OK	Zip:	73116							
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Project Location:	UL/H Sec 2 T25S - R37E	Phone #:	405-843-8200									
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Sampler Name:	Hector Luna	Fax #:												
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FOR LAB USE ONLY		Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST									
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			Chloride	TPH	BTEX 8021							
Lab I.D.																							
31	FL111	3'	C 1		X							3/17/25	955	X	X	X							
32	FL112	3'	C 1		X							3/17/25	956	X	X	X							
33	FL113	3'	C 1		X							3/17/25	957	X	X	X							
34	FL114	3'	C 1		X							3/17/25	958	X	X	X							
35	FL115	3'	C 1		X							3/17/25	959	X	X	X							
36	FL116	3'	C 1		X							3/17/25	1000	X	X	X							
37	FL117	3'	C 1		X							3/17/25	1001	X	X	X							
38	FL118	3'	C 1		X							3/17/25	1002	X	X	X							

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Relinquished By:	Date:	8/17/25	Received By:																			
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Relinquished By:	Time:	1:31	Received By:																			
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Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)																				
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Sampler - UPS - Bus - Other:	Cool	Intact	Yes	No	Yes	No																	
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Remarks:																							
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Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:																			
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Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:																			
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Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





(575) 393-2326 FAX (575) 393-2476			
Company Name:	Hungry Horse LLC	BILL TO	ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMF # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021
HDS1547																	
49	SW11	0-3'	C 1			X					X		3/17/25	1020	X	X	X
50	SW12	0-3'	C 1			X					X		3/17/25	1021	X	X	X
51	SW13	0-3'	C 1			X					X		3/17/25	1022	X	X	X
52	SW14	0-3'	C 1			X					X		3/17/25	1023	X	X	X
53	SW15	0-3'	C 1			X					X		3/17/25	1024	X	X	X
54	SW16	0-3'	C 1			X					X		3/17/25	1025	X	X	X
55	SW17	0-3'	C 1			X					X		3/17/25	1026	X	X	X
56	SW18	0-3'	C 1			X					X		3/17/25	1027	X	X	X
57	SW19	0-3'	C 1			X					X		3/17/25	1028	X	X	X
58	SW20	0-3'	C 1			X					X		3/17/25	1029	X	X	X

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## Page 87 of 87

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---

March 27, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/21/25 15:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/21/2025	Sampling Date:	03/21/2025
Reported:	03/27/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 119 2' (H251672-01)**

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31	
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43	
Total BTX	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/24/2025	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 120 2' (H251672-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 121 2' (H251672-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31	
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43	
Total BTEX	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/24/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 122 2' (H251672-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 123 2' (H251672-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 124 2' (H251672-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 125 2' (H251672-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 126 2' (H251672-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 127 2' (H251672-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 128 2' (H251672-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 129 2' (H251672-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 61.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 130 2' (H251672-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 131 2' (H251672-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 132 2' (H251672-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 133 2' (H251672-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 134 2' (H251672-16)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/24/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 135 2' (H251672-17)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31	
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43	
Total BTX	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64	QR-03	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 136 2' (H251672-18)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 137 2' (H251672-19)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 138 2' (H251672-20)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.90	95.2	2.00	3.31		
Toluene*	<0.050	0.050	03/24/2025	ND	1.98	99.1	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.22	111	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.65	111	6.00	2.43		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	198	98.8	200	4.56	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	205	102	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 139 2' (H251672-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 140 2' (H251672-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 141 2' (H251672-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 142 2' (H251672-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 143 2' (H251672-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 144 2' (H251672-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 145 2' (H251672-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 146 2' (H251672-28)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2	
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0	
Total BTEX	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 147 2' (H251672-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 148 2' (H251672-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 149 2' (H251672-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 150 2' (H251672-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 151 2' (H251672-33)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 152 2' (H251672-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/24/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 153 2' (H251672-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 154 2' (H251672-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 155 2' (H251672-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 156 2' (H251672-38)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 157 2' (H251672-39)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 158 2' (H251672-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.89	94.6	2.00	17.2		
Toluene*	<0.050	0.050	03/25/2025	ND	2.03	101	2.00	16.2		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	14.4		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	5.96	99.4	6.00	15.0		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	186	93.1	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	181	90.5	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 159 2' (H251672-41)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 160 2' (H251672-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 161 2' (H251672-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 162 2' (H251672-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 163 2' (H251672-45)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 164 2' (H251672-46)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 165 2' (H251672-47)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79	
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229	
Total BTEx	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 166 2' (H251672-48)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79	
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302	
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841	
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229	
Total BTEX	<0.300	0.300	03/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 40 0-2' (H251672-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 41 0-2' (H251672-50)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTX	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 42 0-2' (H251672-51)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 43 0-2' (H251672-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 44 0-2' (H251672-53)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/24/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/24/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/24/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 45 0-2' (H251672-54)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79	
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 46 0-2' (H251672-55)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79	
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 47 0-2' (H251672-56)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 48 0-2' (H251672-57)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 49 0-2' (H251672-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 50 0-2' (H251672-59)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 51 0-2' (H251672-60)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.97	98.3	2.00	6.79		
Toluene*	<0.050	0.050	03/25/2025	ND	2.09	105	2.00	0.302		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	0.841		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.17	103	6.00	0.229		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2025	ND	201	101	200	4.00	
DRO >C10-C28*	<10.0	10.0	03/24/2025	ND	200	100	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 52 0-2' (H251672-61)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEx	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 70.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 53 0-2' (H251672-62)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 54 0-2' (H251672-63)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 55 0-2' (H251672-64)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 56 0-2' (H251672-65)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/21/2025  
 Reported: 03/27/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 57 0-2' (H251672-66)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/25/2025	ND	1.92	95.9	2.00	4.60		
Toluene*	<0.050	0.050	03/25/2025	ND	2.00	100	2.00	0.738		
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	1.98	99.0	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.13	102	6.00	1.89		
Total BTEX	<0.300	0.300	03/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	188	93.8	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

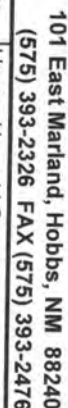


101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## Page 70 of 75

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101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		Project Manager: Daniel Dominguez		P.O. #:		BILL TO		ANALYSIS REQUEST																																									
Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 86260		Company: North Fork Operating, LP																																									
Phone #: 575 393-3386		Fax #:		Project Owner: North Fork Operating, LP		City: Nichols Hills		State: OK		Zip: 73116																																							
Project Name: Hale State #4		Project Location: UL/H Sec 2 T2S5 - R37E		Sampler Name: Jerry Heidelberg		Phone #: 405-843-8200		Fax #:																																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
		31		FL139		2'		C		1		X																		3/21/25		825		X		X		X											
		32		FL140		2'		C		1		X																		3/21/25		826		X		X		X											
		33		FL141		2'		C		1		X																		3/21/25		827		X		X		X											
		34		FL142		2'		C		1		X																		3/21/25		828		X		X		X											
		35		FL143		2'		C		1		X																		3/21/25		829		X		X		X											
		36		FL144		2'		C		1		X																		3/21/25		830		X		X		X											
		37		FL145		2'		C		1		X																		3/21/25		831		X		X		X											
		38		FL146		2'		C		1		X																		3/21/25		832		X		X		X											
		39		FL147		2'		C		1		X																		3/21/25		833		X		X		X											
		40		FL148		2'		C		1		X																		3/21/25		834		X		X		X											
Relinquished By: <i>[Signature]</i>		Date: 3/21/25		Time: 5:04		Received By: <i>[Signature]</i>		Date: 3/21/25		Time: 5:04		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>[Signature]</i>		REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com																																	

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		Project Manager: Daniel Dominguez		P.O. #: North Fork Operating, LP		BILL TO										ANALYSIS REQUEST																			
Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Attn: Mark Aldridge		Address: 1000 W. Vinn Street		City: Nichols Hills		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #:															
Phone #: 575 393-3386		Fax #: 575 393-3386		Project Owner: North Fork Operating, LP		Project Name: Hale State #4		State: NM		City: Lovington		State: NM		City: Lovington		State: NM		City: Lovington		State: NM															
Project Location: UL/H Sec 2 T2S - R37E		Project Name: Jerry Heidelberg		Sample Name: Jerry Heidelberg		Matrix: GROUNDWATER		PRESERV: ICE / COOL		SAMPLING: DATE		TIME		Chloride		TPH		BTEX 8021																	
Lab I.D. H351673		Sample I.D. FL149		Depth: 2'		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING		DATE		TIME		Chloride		TPH		BTEX 8021											
31		FL149		2'		C		1		X		X		X		3/21/25		835		X		X		X											
32		FL150		2'		C		1		X		X		X		3/21/25		836		X		X		X											
33		FL151		2'		C		1		X		X		X		3/21/25		837		X		X		X											
34		FL152		2'		C		1		X		X		X		3/21/25		838		X		X		X											
35		FL153		2'		C		1		X		X		X		3/21/25		839		X		X		X											
36		FL154		2'		C		1		X		X		X		3/21/25		840		X		X		X											
37		FL155		2'		C		1		X		X		X		3/21/25		841		X		X		X											
38		FL156		2'		C		1		X		X		X		3/21/25		842		X		X		X											
39		FL157		2'		C		1		X		X		X		3/21/25		843		X		X		X											
40		FL158		2'		C		1		X		X		X		3/21/25		844		X		X		X											
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Relinquished By: [Signature]		Date: 3-21-25		Received By: [Signature]		Date: 3-21-25		Time: 1504		Received By: [Signature]		Time: 1504		Sample Condition: Cool Intact		CHECKED BY: (Initials)		REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com																	
Delivered By: (Circle One)		CEA 0.33 #140		Sample Condition: Cool Intact		CHECKED BY: (Initials)		REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com																											
Sampler - UPS - Bus - Other: 0.04/0.3-		0.04/0.3-		Sample Condition: Cool Intact		CHECKED BY: (Initials)		REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com																											

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**BILL TO**

FOR LAB USE ONLY

[illegible]

Email results to: [pm@hungry-horse.com](mailto:pm@hungry-horse.com)  
[marka@northforkland.com](mailto:marka@northforkland.com)

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																																	
Project Manager: Daniel Dominguez		City: Lovington		State: NM		Zip: 88260		Company: North Fork Operating, LP																																							
Address: 4024 Plains Hwy		Phone #: 575 393-3386		Fax #:		Attn: Mark Aldridge		Address: 1000 W. Wisconsin Boulevard Suite 311																																							
Project #:		Project Owner: North Fork Operating, LP		City: Nichols Hills		State: OK		Zip: 73116																																							
Project Name: Hale State #4		Project Location: UL/H Sec 2 T25S - R37E		Phone #: 405-843-8200		Fax #:		PRESERV. SAMPLING																																							
Sampler Name: Jerry Heidelberg		FOR LAB USE ONLY		DATE		TIME																																									
Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
H351612		49 SW40		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		3/21/25		910		X		X		X											
50 SW41		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		911		X		X		X											
51 SW42		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		912		X		X		X											
52 SW43		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		913		X		X		X											
53 SW44		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		914		X		X		X											
54 SW45		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		915		X		X		X											
55 SW46		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		916		X		X		X											
56 SW47		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		917		X		X		X											
57 SW48		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		918		X		X		X											
58 SW49		0-2'		C 1		X		X		X		X		X		X		X		X		X		X		X		3/21/25		919		X		X		X											
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Relinquished By: [Signature]		Date: 3-21-25		Time: 1504		Received By: [Signature]		Date: 3-21-25		Time: 1504		Received By: [Signature]		REMARKS:																																	
Delivered By: (Circle One) UPS - Bus - Other: O.D. 20.3c		Sample Condition Cool Intact Yes Yes No No		CHECKED BY: (Initials) A.D.		Email results to: pm@hungry-horse.com marka@northforkland.com																																									

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: North Fork Operating, LP		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Company: North Fork Operating, LP			
Address: 4024 Plains Hwy		Attn: Mark Aldridge			
City: Lovington	State: NM	Zip: 88260			
Phone #: 575 393-3386	Fax #:	Address: 1000 W. VINTAGE Boulevard Suite 311			
Project #:	Project Owner: North Fork Operating, LP	City: Nichols Hills			
Project Name: Hale State #4	State: OK	Zip: 73116			
Project Location: UL/H Sec 2 T25S - R37E	Phone #: 405-843-8200				
Sampler Name: Jerry Heidelberg	Fax #:				

Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
39	SW50	0-2'	C	1	X							3/21/25	920	X	X	X
40	SW51	0-2'	C	1		X						3/21/25	921	X	X	X
41	SW52	0-2'	C	1		X						3/21/25	922	X	X	X
42	SW53	0-2'	C	1		X						3/21/25	923	X	X	X
43	SW54	0-2'	C	1		X						3/21/25	924	X	X	X
44	SW55	0-2'	C	1		X						3/21/25	925	X	X	X
45	SW56	0-2'	C	1		X						3/21/25	926	X	X	X
46	SW57	0-2'	C	1		X						3/21/25	927	X	X	X

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Relinquished By: <i>[Signature]</i>	Date: 3-31-25	Received By: <i>[Signature]</i>	Time: 1504
Relinquished By: <i>[Signature]</i>	Date:	Received By: <i>[Signature]</i>	Time:

Delivered By: (Circle One) <i>CFH. 3E #140</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>
Sampler - UPS - Bus - Other: <i>0.0/0.3-</i>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	

REMARKS:

Email results to: pm@hungry-horse.com  
marka@northforkland.com

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---

March 31, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 167 2' (H251727-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 168 2' (H251727-02)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.2 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 169 4' (H251727-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 56.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 51.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 170 4' (H251727-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 171 4' (H251727-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 172 4' (H251727-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 173 4' (H251727-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 174 4' (H251727-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 175 4' (H251727-09)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 68.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 176 4' (H251727-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 177 4' (H251727-11)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 71.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 178 4' (H251727-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	226	113	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	213	107	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 179 4' (H251727-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13		
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 63.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 180 4' (H251727-14)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 181 4' (H251727-15)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 182 4' (H251727-16)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.08	104	2.00	3.13	
Toluene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.10	105	2.00	4.34	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	6.30	105	6.00	5.01	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 183 4' (H251727-17)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82	QR-03
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73	QM-07, QR-03
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09	QM-07, QR-03
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 70.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 184 4' (H251727-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 185 4' (H251727-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82	
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 186 4' (H251727-20)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 187 4' (H251727-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 188 4' (H251727-22)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82	
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 189 4' (H251727-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 54.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 50.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 190 4' (H251727-24)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82	
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 191 4' (H251727-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 192 4' (H251727-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 193 4' (H251727-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 194 4' (H251727-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 195 4' (H251727-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 196 4' (H251727-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 72.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 197 4' (H251727-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 198 4' (H251727-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 199 4' (H251727-33)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 200 4' (H251727-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 201 4' (H251727-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 202 4' (H251727-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	1.87	93.7	2.00	4.82		
Toluene*	<0.050	0.050	03/28/2025	ND	1.98	99.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	1.85	92.3	2.00	2.73		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	5.82	97.1	6.00	2.09		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 203 4' (H251727-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 204 4' (H251727-38)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 205 4' (H251727-39)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 206 4' (H251727-40)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 207 4' (H251727-41)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 208 4' (H251727-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 209 4' (H251727-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEx	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 58.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 55.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 210 4' (H251727-44)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 211 4' (H251727-45)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 212 4' (H251727-46)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 213 4' (H251727-47)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 214 4' (H251727-48)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 215 4' (H251727-49)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 216 4' (H251727-50)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 217 4' (H251727-51)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 218 4' (H251727-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	211	105	200	3.05	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	204	102	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 219 4' (H251727-53)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 220 4' (H251727-54)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40	
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 221 4' (H251727-55)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 222 4' (H251727-56)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.18	109	2.00	3.40		
Toluene*	<0.050	0.050	03/28/2025	ND	2.13	107	2.00	0.869		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	2.32	116	2.00	0.568		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	7.03	117	6.00	0.161		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 223 4' (H251727-57)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	QM-07
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	QM-07
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	QM-07
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	QM-07
Total BTEx	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 224 4' (H251727-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 225 4' (H251727-59)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 226 4' (H251727-60)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 227 4' (H251727-61)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 228 4' (H251727-62)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 229 4' (H251727-63)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 40.6-153

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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 230 4' (H251727-64)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 231 4' (H251727-65)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 232 4' (H251727-66)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 233 4' (H251727-67)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 234 4' (H251727-68)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 235 4' (H251727-69)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 236 4' (H251727-70)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 237 4' (H251727-71)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Tamara Oldaker
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: FL 238 4' (H251727-72)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	201	100	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 239 4' (H251727-73)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/27/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 62.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 240 4' (H251727-74)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 241 4' (H251727-75)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77	
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01	
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18	
Total BTEX	<0.300	0.300	03/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 242 4' (H251727-76)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2025	ND	2.49	124	2.00	6.77		
Toluene*	<0.050	0.050	03/28/2025	ND	2.75	137	2.00	6.35		
Ethylbenzene*	<0.050	0.050	03/28/2025	ND	3.06	153	2.00	7.01		
Total Xylenes*	<0.150	0.150	03/28/2025	ND	9.50	158	6.00	7.18		
Total BTEX	<0.300	0.300	03/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 67.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 243 4' (H251727-77)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 244 4' (H251727-78)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 245 4' (H251727-79)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEx	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 246 4' (H251727-80)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 247 4' (H251727-81)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 248 4' (H251727-82)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 249 4' (H251727-83)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 71.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 250 4' (H251727-84)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 251 4' (H251727-85)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 66.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 58 0-2' (H251727-86)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 59 0-2' (H251727-87)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 60 0-4' (H251727-88)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEx	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 73.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 61 0-4' (H251727-89)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEx	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 62 0-4' (H251727-90)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 63 0-4' (H251727-91)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 64 0-4' (H251727-92)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.58	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.0	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 65 0-4' (H251727-93)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 66 0-4' (H251727-94)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707	
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418	
Total BTEX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/27/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 67 0-4' (H251727-95)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 68 0-4' (H251727-96)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	1.99	99.4	2.00	0.707		
Toluene*	<0.050	0.050	03/30/2025	ND	2.02	101	2.00	0.276		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	0.0795		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.10	102	6.00	0.418		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 69 0-4' (H251727-97)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	2.10	105	2.00	3.23		
Toluene*	<0.050	0.050	03/30/2025	ND	2.18	109	2.00	1.37		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.38	119	2.00	2.75		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.22	120	6.00	3.20		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/25/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 70 0-4' (H251727-98)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.10	105	2.00	3.23	
Toluene*	<0.050	0.050	03/30/2025	ND	2.18	109	2.00	1.37	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.38	119	2.00	2.75	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.22	120	6.00	3.20	
Total BTEx	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

[illegible]

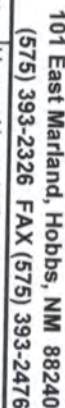




### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240  
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: North Fork Operating, LP		BILL TO										ANALYSIS REQUEST									
Project Manager: Daniel Dominguez		Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Attn: Mark Aldridge		Address: 1000 W. VVINSRUE		City: Boulevard Suite 311		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #:	
Project #: 575 393-3386		Fax #: 575 393-3386		Project Owner: North Fork Operating, LP		City: Nichols Hills		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #:									
Project Name: Hale State #4		Project Location: UL/H Sec 2 T2S5 - R37E		Sample Name: Hector Luna		FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:	
H257187		FL197		4'		C 1		X		X		X		X		X		X		X		X	
31		FL198		4'		C 1		X		X		X		X		X		X		X		X	
32		FL199		4'		C 1		X		X		X		X		X		X		X		X	
33		FL200		4'		C 1		X		X		X		X		X		X		X		X	
34		FL201		4'		C 1		X		X		X		X		X		X		X		X	
35		FL202		4'		C 1		X		X		X		X		X		X		X		X	
36		FL203		4'		C 1		X		X		X		X		X		X		X		X	
37		FL204		4'		C 1		X		X		X		X		X		X		X		X	
38		FL205		4'		C 1		X		X		X		X		X		X		X		X	
39		FL206		4'		C 1		X		X		X		X		X		X		X		X	
40																							

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Relinquished By: <i>[Signature]</i>	Date: 3/25/25	Received By: <i>[Signature]</i>	Date: 3/25/25
Relinquished By: <i>[Signature]</i>	Date: 3/25/25	Received By: <i>[Signature]</i>	Date: 3/25/25

Delivered By: (Circle One) *CE* *FL20.38* *#140*

Sampler - UPS - Bus - Other: *0.1c* *0.4c*

Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: *[Signature]*

REMARKS: Email results to: pm@hungry-horse.com mark@northforkland.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST														
Project Manager: Daniel Dominguez		Company: North Fork Operating, LP																										
Address: 4024 Plains Hwy		Attn: Mark Aldridge																										
City: Lovington	State: NM	Zip: 88260																										
Phone #: 575 393-3386	Fax #:	Address: 1000 W. Wimsnure																										
Project #:	Project Owner: North Fork Operating, LP	City: Nichols Hills	Address: Boulevard Suite 311																									
Project Name: Hale State #4	State: OK	Zip: 73116																										
Project Location: UL/H Sec 2 T2S5 - R37E	Phone #: 405-843-8200																											
Sampler Name: Hector Luna	Fax #:																											
FOR LAB USE ONLY																												
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021											
41	FL207	4'	C	1										3/25/25	845	X	X	X										
42	FL208	4'	C	1										3/25/25	846	X	X	X										
43	FL209	4'	C	1										3/25/25	847	X	X	X										
44	FL210	4'	C	1										3/25/25	848	X	X	X										
45	FL211	4'	C	1										3/25/25	849	X	X	X										
46	FL212	4'	C	1										3/25/25	850	X	X	X										
47	FL213	4'	C	1										3/25/25	851	X	X	X										
48	FL214	4'	C	1										3/25/25	852	X	X	X										
49	FL215	4'	C	1										3/25/25	853	X	X	X										
50	FL216	4'	C	1										3/25/25	854	X	X	X										
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Relinquished By:	Date: 3/25/25	Time: 1:30p	Received By:																									
Relinquished By:	Date:	Time:	Received By:																									
Delivered By: (Circle One)	CE#10.38 #140	Sample Condition	Cool	Intact	Checked BY:																							
Sampler - UPS - Bus - Other:	0.1c 0.4c	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials)																							
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																												





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																																	
Project Manager: Daniel Dominguez		Company: North Fork Operating, LP																																													
Address: 4024 Plains Hwy		Attn: Mark Aldridge																																													
City: Lovington		Address: 1000 W. Vismonte																																													
State: NM		Boulevard Suite 311																																													
Zip: 88260		City: Nichols Hills																																													
Phone #: 575 393-3386		State: OK																																													
Fax #:		Zip: 73116																																													
Project #:		Project Owner: North Fork Operating, LP																																													
Project Name: Hale State #4		State: OK																																													
Project Location: U/L H Sec 2 T2S - R37E		Phone #: 405-843-8200																																													
Sampler Name: Hector Luna		Fax #:																																													
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
51		FL217		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		855		X		X		X											
52		FL218		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		856		X		X		X											
53		FL219		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		857		X		X		X											
54		FL220		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		858		X		X		X											
55		FL221		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		859		X		X		X											
56		FL222		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		900		X		X		X											
57		FL223		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		901		X		X		X											
58		FL224		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		902		X		X		X											
59		FL225		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		903		X		X		X											
60		FL226		4'		C 1		X		X		X		X		X		X		X		X		X		X		3/25/25		904		X		X		X											
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Relinquished By: <i>[Signature]</i>		Date: 3/25/25		Time: 1339		Received By: <i>[Signature]</i>		Date: 3/25/25		Time: 1339		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <i>[Signature]</i>		REMARKS: Email results to: pm@hungry-horse.com mark@northforkland.com																															

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 109 of 110





101 East Marland, Hobbs, NM 88240  
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST																																											
Project Manager: Daniel Dominguez		Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Company: North Fork Operating, LP																																							
Phone #: 575 393-3386		Fax #: 575 393-3386		Project #: 4024		Project Owner: North Fork Operating, LP		City: Nichols Hills		State: OK		Zip: 73116																																					
Project Location: UL/ H Sec 2 T2S5 - R37E		Sample Name: Hecor Luna		Project Name: Hale State #4		State: OK		Zip: 73116		Phone #: 405-843-8200		Fax #: 405-843-8200																																					
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
91		SW63		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
92		SW64		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
93		SW65		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
94		SW66		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
95		SW67		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
96		SW68		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
97		SW69		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											
98		SW70		0-4'		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X											

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Relinquished By: *[Signature]* Date: 3/25/25 Time: 1:30 PM Received By: *[Signature]* Date: 3/25/25 Time: 1:30 PM

Delivered By: (Circle One) *GF+0.3¢ #140* Sample Condition ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No CHECKED BY: *[Signature]* (Initials)

Sampler - UPS - Bus - Other: *0.1¢ 0.4¢* ☐ Yes ☐ No ☐ Yes ☐ No

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

REMARKS: Email results to: pm@hungry-horse.com marka@northforkland.com

Phone Result: ☐ Yes ☐ No Add'l Phone #: Fax Result: ☐ Yes ☐ No Add'l Fax #:





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

March 31, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HALE STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	03/25/2025	Sampling Date:	03/24/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	HALE STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NORTH FORK OPERATING	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/ H SEC 2 T25S - R37E		

**Sample ID: TOPSOIL 1 (H251753-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.10	105	2.00	3.23	
Toluene*	<0.050	0.050	03/30/2025	ND	2.18	109	2.00	1.37	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.38	119	2.00	2.75	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.22	120	6.00	3.20	
Total BTEX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
 P.O. Box 1058  
 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received: 03/25/2025  
 Reported: 03/31/2025  
 Project Name: HALE STATE #4  
 Project Number: NORTH FORK OPERATING  
 Project Location: UL/ H SEC 2 T25S - R37E

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CALICHE 1 (H251753-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	2.10	105	2.00	3.23		
Toluene*	<0.050	0.050	03/30/2025	ND	2.18	109	2.00	1.37		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.38	119	2.00	2.75		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.22	120	6.00	3.20		
Total BTEX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/27/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	204	102	200	1.27	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	194	97.2	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager



## Page 5 of 5

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## **Attachment VII**

### **NMSLO Coarse Sites Seed Mixture**



**NMSLO Seed Mix****Coarse (CS)****COARSE (CS) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<b>Grasses:</b>			
Sand bluestem	VNS, Southern	2.0	F
Sideoats grama	Vaughn, El Reno	2.0	F
Blue grama	Hachita, Lovington	1.5	D
Little bluestem	Cimmaron, Pastura	1.5	F
Sand dropseed	VNS, Southern	1.0	S
Plains bristlegrass	VNS, Southern	0.75	D
<b>Forbs:</b>			
Parry penstemon	VNS, Southern	1.0	D
Desert globemallow	VNS, Southern	1.0	D
White prairieclover	Kaneb, VNS	0.5	D
Sulfur buckwheat	VNS, Southern	0.5	D
<b>Shrubs:</b>			
Fourwing saltbush	VNS, Southern	1.0	D
Skunkbush sumac	VNS, Southern	1.0	D
Common winterfat	VNS, Southern	1.0	F
Fringed sagewort	VNS, Southern	0.5	F
<b>Total PLS/acre</b>		<b>18.25</b>	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



## **Attachment VIII**

### **IPaC Resource List**

**IPaC****U.S. Fish & Wildlife Service**

# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Project information

**NAME**

Hale State #4

**LOCATION**

Lea County, New Mexico

**DESCRIPTION**

None

# Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📅 (505) 346-2542

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

NOT FOR CONSULTATION

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

- 
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
  2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Birds

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1924">https://ecos.fws.gov/ecp/species/1924</a>	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1923">https://ecos.fws.gov/ecp/species/1923</a>	<a href="#">EXPN</a>

## Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Proposed Threatened

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

## Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act <sup>2</sup> and the Migratory Bird Treaty Act (MBTA) <sup>1</sup>. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds  
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC  
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

### Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

### Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

### Review the FAQs

The FAQs below provide important additional information and resources.

NAME

BREEDING SEASON

**Bald Eagle *Haliaeetus leucocephalus***

Breeds Oct 15 to Jul 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (I)



Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

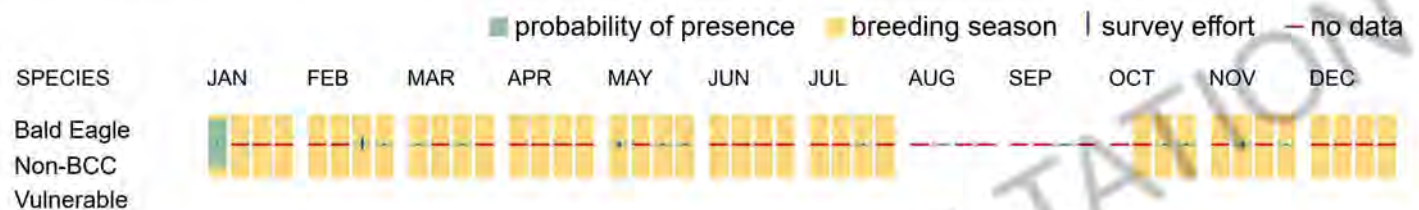
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



## Bald & Golden Eagles FAQs

### What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

### Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

### How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in

your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

#### ***How is the probability of presence score calculated? The calculation is done in three steps:***

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

#### **Breeding Season ()**

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

#### **Survey Effort ()**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

#### **No Data ()**

A week is marked as having no data if there were no survey events for that week.

#### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

## Migratory birds

The Migratory Bird Treaty Act (MBTA) <sup>1</sup> prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.



1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC  
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

### Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases [birds of concern](#), including [Birds of Conservation Concern \(BCC\)](#), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the [Nationwide avoidance and minimization measures for birds](#) document, and any other project-specific avoidance and minimization measures suggested at the link [Measures for avoiding and minimizing impacts to birds](#) for the birds of concern on your list below.

### Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles document](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

### Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
<b>Bald Eagle</b> <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Jul 31

**Chestnut-collared Longspur *Calcarius ornatus***

Breeds May 1 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

**Ferruginous Hawk *Buteo regalis***

Breeds Mar 15 to Aug 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/6038>

**Northern Harrier *Circus hudsonius***

Breeds Apr 1 to Sep 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/8350>

**Sprague's Pipit *Anthus spragueii***

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8964>

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for



the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .

3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

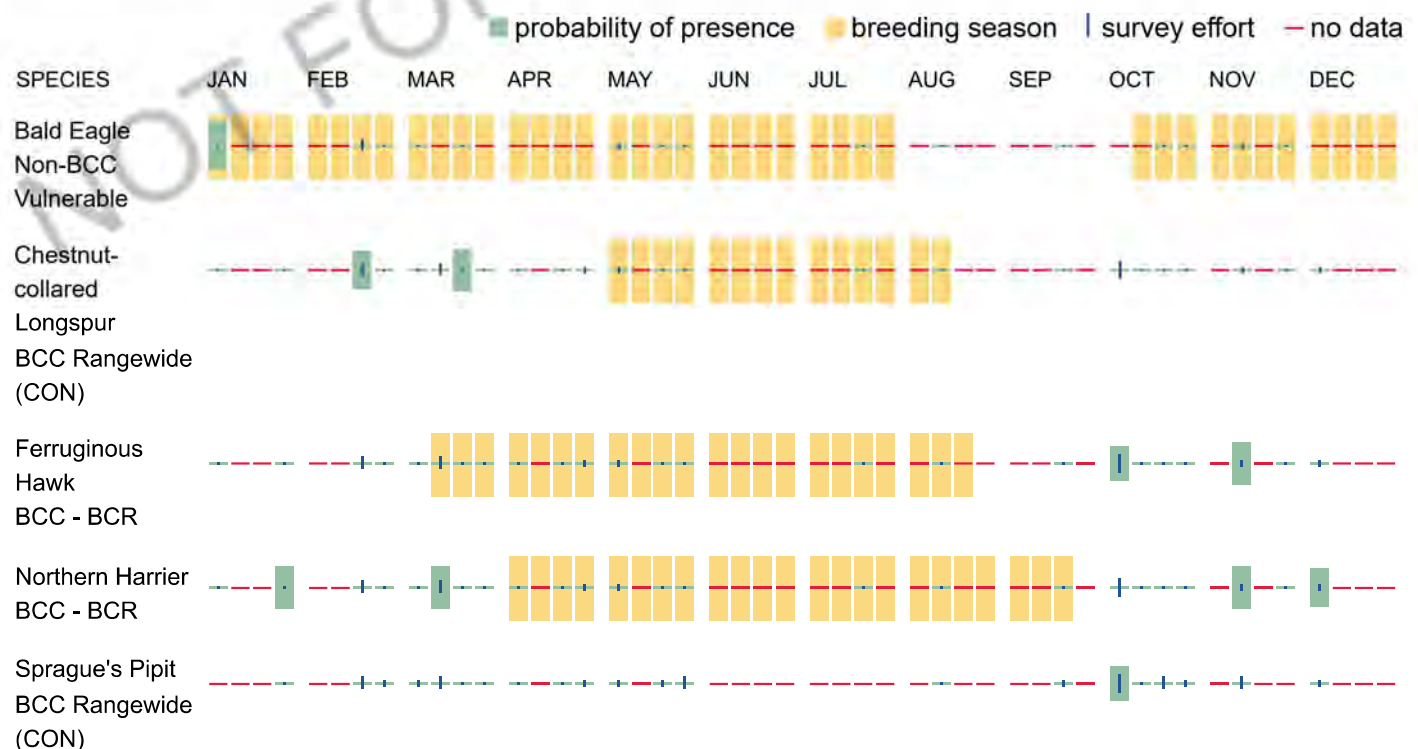
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



## Migratory Bird FAQs

**Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?**

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection Act](#) and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

**Why are subspecies showing up on my list?**

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.



## How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

## What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Bald and Golden Eagle Protection Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

## Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

## Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern

have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

### **Interpreting the Probability of Presence Graphs**

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

#### ***How is the probability of presence score calculated? The calculation is done in three steps:***

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### **Breeding Season ()**

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### **Survey Effort ()**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

### **No Data ()**

A week is marked as having no data if there were no survey events for that week.

### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

# Facilities

## National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

## Fish hatcheries

There are no fish hatcheries at this location.

## Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

**NOTE:** This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

### Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.



The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

#### **Data exclusions**

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

#### **Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



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**Santa Fe, NM 87505**

QUESTIONS

Action 455854

**QUESTIONS**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2502432240
Incident Name	NAPP2502432240 HALE STATE #4 @ 30-025-27550
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-27550] HALE STATE #004

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Hale State #4
Date Release Discovered	01/06/2025
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Other (Specify)   Produced Water   Released: 120 BBL   Recovered: 70 BBL   Lost: 50 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	cause of release is suspected to be due to overpressure from a nearby injection well or SWD, however, which injection well or SWD system was never identified.

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Action 455854

**QUESTIONS (continued)**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Mark Aldridge Title: Regulatory Manager Email: marka@northforkland.com Date: 01/24/2025
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Action 455854

**QUESTIONS (continued)**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	49600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2283
GRO+DRO (EPA SW-846 Method 8015M)	1640
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/03/2025
On what date will (or did) the final sampling or liner inspection occur	03/25/2025
On what date will (or was) the remediation complete(d)	04/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	50200
What is the estimated volume (in cubic yards) that will be reclaimed	6378
What is the estimated surface area (in square feet) that will be remediated	50200
What is the estimated volume (in cubic yards) that will be remediated	6378
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 455854

**QUESTIONS (continued)**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Mark Aldridge Title: Regulatory Manager Email: marka@northforkland.com Date: 04/25/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 455854

QUESTIONS (continued)

Operator:  North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID:  329399
	Action Number:  455854
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 455854

**QUESTIONS (continued)**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	444381
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
What was the (estimated) number of samples that were to be gathered	98
What was the sampling surface area in square feet	17000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	50200
What was the total volume (cubic yards) remediated	6378
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	50200
What was the total volume (in cubic yards) reclaimed	6378
Summarize any additional remediation activities not included by answers (above)	Remediation and reclamation activities were conducted in accordance with applicable NMOCD and NMSLO Regulations, and approved Reclamation Work Plan. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Mark Aldridge Title: Regulatory Manager Email: marka@northforkland.com Date: 04/25/2025



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Action 455854

**QUESTIONS (continued)**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	50200
What was the total volume of replacement material (in cubic yards) for this site	6378
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/07/2025
Summarize any additional reclamation activities not included by answers (above)	Reclaimed according to OCD and SLO standards
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Mark Aldridge Title: Regulatory Manager Email: marka@northforkland.com Date: 04/25/2025

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

General Information  
Phone: (505) 629-6116

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

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

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Action 455854

QUESTIONS (continued)

Operator:  North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID:  329399
	Action Number:  455854
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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

CONDITIONS

Action 455854

**CONDITIONS**

Operator: North Fork Operating, LP 1000 W. Wilshire Boulevard Nichols Hills, OK 73116	OGRID: 329399
	Action Number: 455854
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	5/23/2025
scott.rodgers	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	5/23/2025