



## Remediation Summary and Closure Request

**Murchison Oil & Gas, LLC  
Ringer Federal #6  
Eddy County, New Mexico  
Unit Letter "P", Section 3, Township 25 South, Range 26 East  
Latitude 32.154641 North, Longitude 104.275903 West  
NMOCD Incident #: nAPP2430244854**

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Prepared For:

Murchison Oil & Gas  
5325 Sierra Vista  
Carlsbad, NM 88230

Prepared By:

Hungry Horse, LLC  
4024 Plains Hwy  
Lovington, NM 88260  
Office: (575) 393-3386

**February 2025**

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

Daniel Dominguez  
Environmental Director  
ddominguez@hungry-horse.com

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## HUNGRY HORSE, LLC

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The following *Remediation Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

### Background:

The site is located in Unit Letter P (SE/SE), Section 3, Township 25 South, Range 26 East, approximately six miles Southeast of Whites City, in Eddy County, New Mexico. The property is located on Bureau of Land Management 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 an SWD and tank battery; Latitude 32.154641 North, Longitude 104.275903 West. An area of interest was identified as having indications of contamination on the surface, characterized by limited or no vegetative cover. The NMOCD Form C-141 indicates a historic release of unknown volume. 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 Gypsum Karst designated area. Depth to groundwater information is provided as Attachment III and the results are depicted on Figures 2 and 3.

No water wells were located within a half mile of the release area. Therefore, as the site is also located in a Gypsum Karst designated area, 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 Gypsum land Cottonwood complex comprised of loam soils with 0 to 3 percent slopes. NMBLM Seed Mixture 4 for Gypsum Sites will be utilized for seeding the area after reclamation activities are complete. Karst, Wetland, and Soil Maps are provided as Attachment I.



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**Remediation Activities:**

On November 8, 2024, a Site Assessment and Remediation Work Plan was submitted to NMOCD for approval. On November 8, 2024, the Work Plan was approved. Previously submitted pages of the approved Site Assessment and Remediation Work Plan are available on the NMOCD Permitting Portal.

From December 9, 2024 through January 17, 2025, the area of concern was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the excavated area, before transport to an NMOCD approved disposal facility.

On December 19, 2024, a soil sample was collected from the topsoil pit that would be utilized to backfill the excavation. Topsoil pit location, 32.165198, -104.315867. Soil sample Topsoil was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in the submitted sample.

On January 16, 2025, Hungry Horse, LLC notified NMOCD that closure samples would be collected on January 21, 2025. NMOCD Correspondence is provided as Attachment II.

On January 21, 2025, one hundred composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL73 and SW1 through SW27, 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.

The final excavated area totaled approximately fourteen thousand six-hundred square feet and ranged in depth from six inches to six and a half feet bgs. Approximately 1,782 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

Delineation Sample Map, Excavation Floor Sample Map, and Excavation Sidewall Sample Map, are provided as Figure 4, Figure 5, and Figure 6, 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 SW27 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, provided as Figure 6, depicts sidewall sample boundaries.

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

As the area of interest is not reasonably needed for production operations, the area has been reclaimed according to 19.15.29.13 NMAC. Based upon laboratory analytical results from confirmation soil samples, the excavations have been entirely backfilled with locally sourced, clean, non-impacted topsoil, of the same soil type as was excavated.

The excavations were backfilled in their entirety 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 area was then tracked utilizing a dozer to ripple the soil to prepare the seed bed for seeding.

The affected area was then seeded, via drill seeder, with NMBLM Seed Mixture 4 for Gypsum Sites, free of noxious weeds, on January 31, 2025. After seeding activities, the area was watered. The site will also be monitored for growth and noxious weed management on a semi-annual basis until desired vegetation is achieved. NMBLM Seed Mixture 4 for Gypsum Sites is provided as Attachment VII.

After remediation was completed, erosion control berms were constructed along the edges of the affected areas in an effort to prevent ponding of water and erosion of the cover material. A berm was constructed along the eastern end of the affected area, and along the lease road, to prevent vehicle access. Photographs of erosion control are provided in Attachment IV.

A re-vegetation report will be submitted for approval when uniform vegetative cover has been established that reflects a 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.

### **Closure Request:**

Remediation activities were conducted in accordance with applicable NMOCD Regulations. 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 on laboratory analytical results, Murchison Oil & Gas respectfully requests closure of the Ringer Federal #6 location, nAPP2430244854.



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**Limitations:**

Hungry Horse, LLC, has prepared this *Remediation 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:**

**Murchison Oil & Gas**

5325 Sierra Vista  
Carlsbad, NM 88230

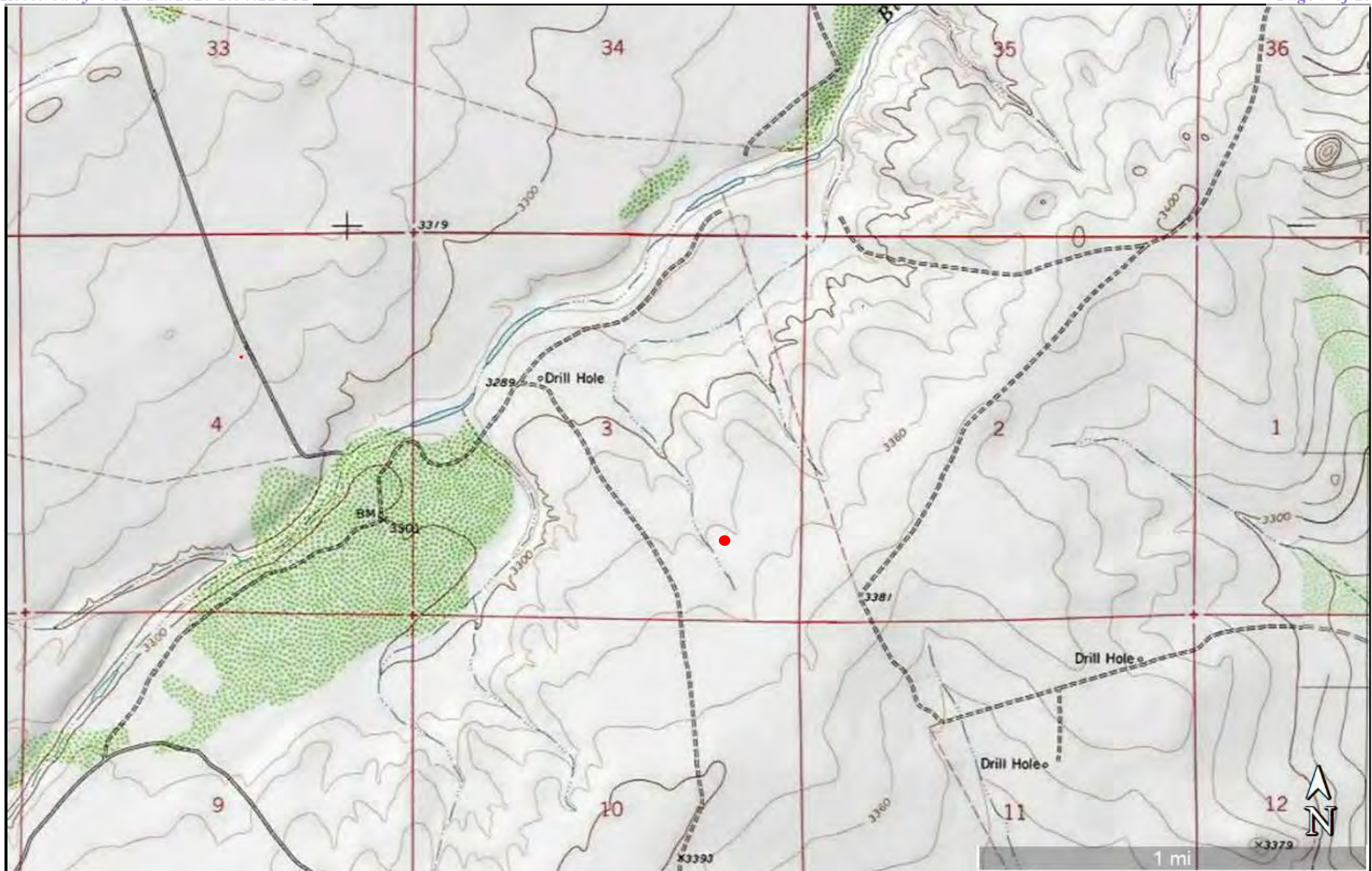
**New Mexico Energy, Minerals and Natural Resources Department**

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

**New Mexico Bureau of Land Management**

620 E. Greene St  
Carlsbad, NM 88220

## Figures

**Figure 1**

Topographic Map  
Murchison Oil & Gas  
Ringer Federal #6  
GPS: 32.154641, -104.275903  
Eddy County

**Legend:**

- Ringer Federal #6 Location

Drafted: dd  
Checked: bw  
Date: 10/22/24





**Figure 2**

OSE POD Locations Map  
Murchison Oil & Gas  
Ringer Federal #6  
GPS: 32.154641, -104.275903  
Eddy County

**Legend:**

● Ringer Federal #6 Location

Drafted: dd  
Checked: bw  
Date: 10/22/24





**Figure 3**

USGS Well Locations Map  
Murchison Oil & Gas  
Ringer Federal #6  
GPS: 32.154641, -104.275903  
Eddy County

**Legend:**

● Ringer Federal #6 Location

Drafted: dd  
Checked: bw  
Date: 10/22/24





**Figure 4**

Proposed Excavation Area Map  
 Murchison Oil & Gas  
 Ringer Federal #6  
 GPS: 32.154641, -104.275903  
 Eddy County

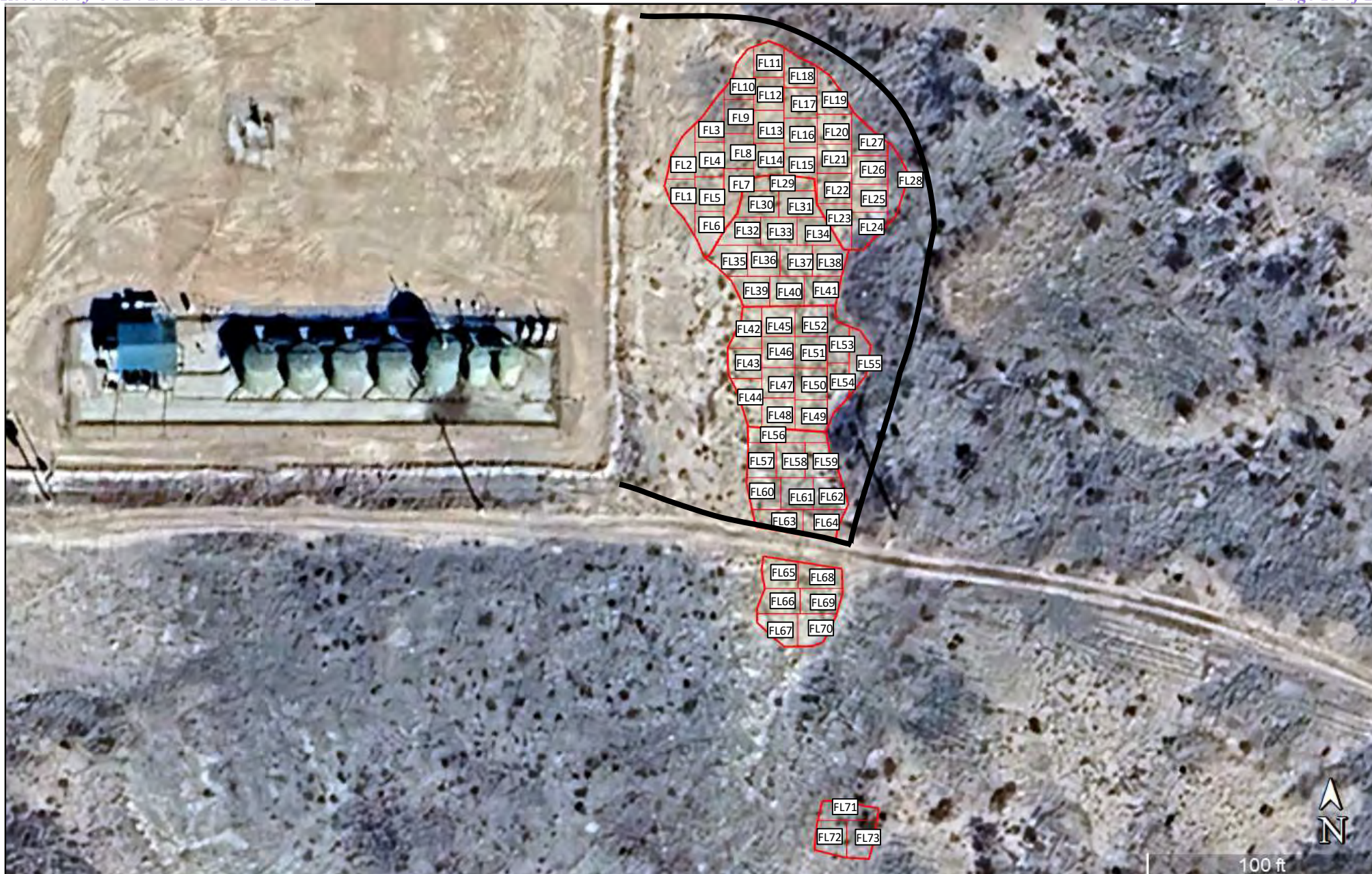
**Legend:**

- Area of Interest
- CS-01 McNabb Sample Location
- SP1 Hungry Horse Delineation Sample Location

Drafted: dd  
 Checked: bw  
 Date: 10/31/24





**Figure 5**

Excavation Floor Sample Map  
 Murchison Oil & Gas  
 Ringer Federal #6  
 GPS: 32.154641, -104.275903  
 Eddy County

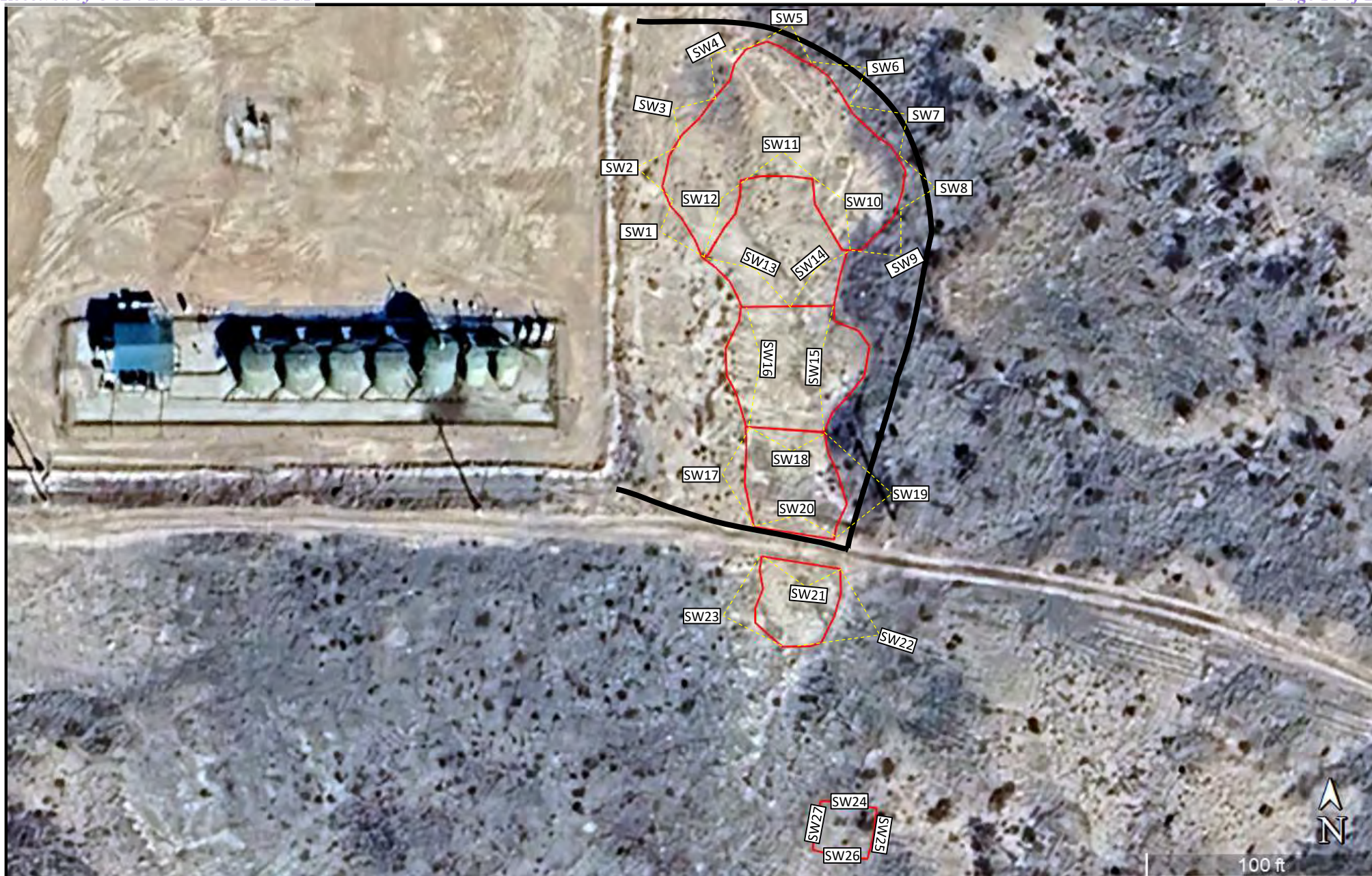
**Legend:**

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

Drafted: dd  
 Checked: jh  
 Date: 1/31/25





**Figure 6**

Excavation Sidewall Sample Map  
 Murchison Oil & Gas  
 Ringer Federal #6  
 GPS: 32.154641, -104.275903  
 Eddy County

**Legend:**

- Excavation Area
- Composite Confirmation Sidewall Sample Boundary
- SW1 Composite Confirmation Sample Location
- Berm Location

Drafted: dd  
 Checked: jh  
 Date: 1/31/25



## **Table**

**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

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)
CS-01	8/15/24	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>12,500</b>
	8/15/24	2.0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,720</b>
	8/15/24	4.0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,840</b>
	8/15/24	6.0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>880</b>
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
CS-02	8/15/24	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
	8/15/24	7.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
CS-03	8/15/24	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
BG-01	8/15/24	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	8/15/24	2.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	4.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	5.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	7.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	8/15/24	8.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG-02	8/15/24	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,010</b>
	8/15/24	2.0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,060</b>
	8/15/24	4.0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
	8/15/24	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>880</b>
	8/15/24	7.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
NMOCD Closure Criteria				<b>10</b>	<b>50</b>	-	-	N/A	-	<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**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

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	11/1/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>51,200</b>
	11/1/24	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP2	11/1/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,520</b>
	11/1/24	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SP3	11/1/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>12,600</b>
	11/1/24	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
SP4	11/1/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,560</b>
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
HZ1	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ4	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ5	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ6	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ7	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ8	11/1/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	11/1/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Topsoil	12/19/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
<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**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

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	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL2	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL3	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL4	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL5	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL6	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL7	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL8	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL9	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL10	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL11	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL12	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL13	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL14	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL15	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL16	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL17	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL18	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL19	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL20	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL21	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL22	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL23	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL24	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL25	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL26	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL27	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL28	1/21/25	6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL29	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL30	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL31	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL32	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL33	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL34	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL35	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL36	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL37	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL38	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
<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**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

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	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL40	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL41	1/21/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL42	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL43	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL44	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL45	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL46	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL47	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL48	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL49	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL50	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL51	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL52	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL53	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL54	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL55	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL56	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL57	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL58	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL59	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL60	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL61	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL62	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL63	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL64	1/21/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL65	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL66	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL67	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL68	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL69	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL70	1/21/25	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL71	1/21/25	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL72	1/21/25	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL73	1/21/25	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW1	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW3	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
<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**  
**Murchison Oil & Gas**  
**Ringer Federal #6**  
**NMOCD Incident #: nAPP2430244854**

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)
SW4	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW5	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW6	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW7	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW8	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW9	1/21/25	0-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW10	1/21/25	3-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW11	1/21/25	3-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW12	1/21/25	3-6.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW13	1/21/25	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW14	1/21/25	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW15	1/21/25	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW16	1/21/25	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW17	1/21/25	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW18	1/21/25	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW19	1/21/25	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW20	1/21/25	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW21	1/21/25	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW22	1/21/25	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW23	1/21/25	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW24	1/21/25	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW25	1/21/25	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW26	1/21/25	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW27	1/21/25	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
<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.

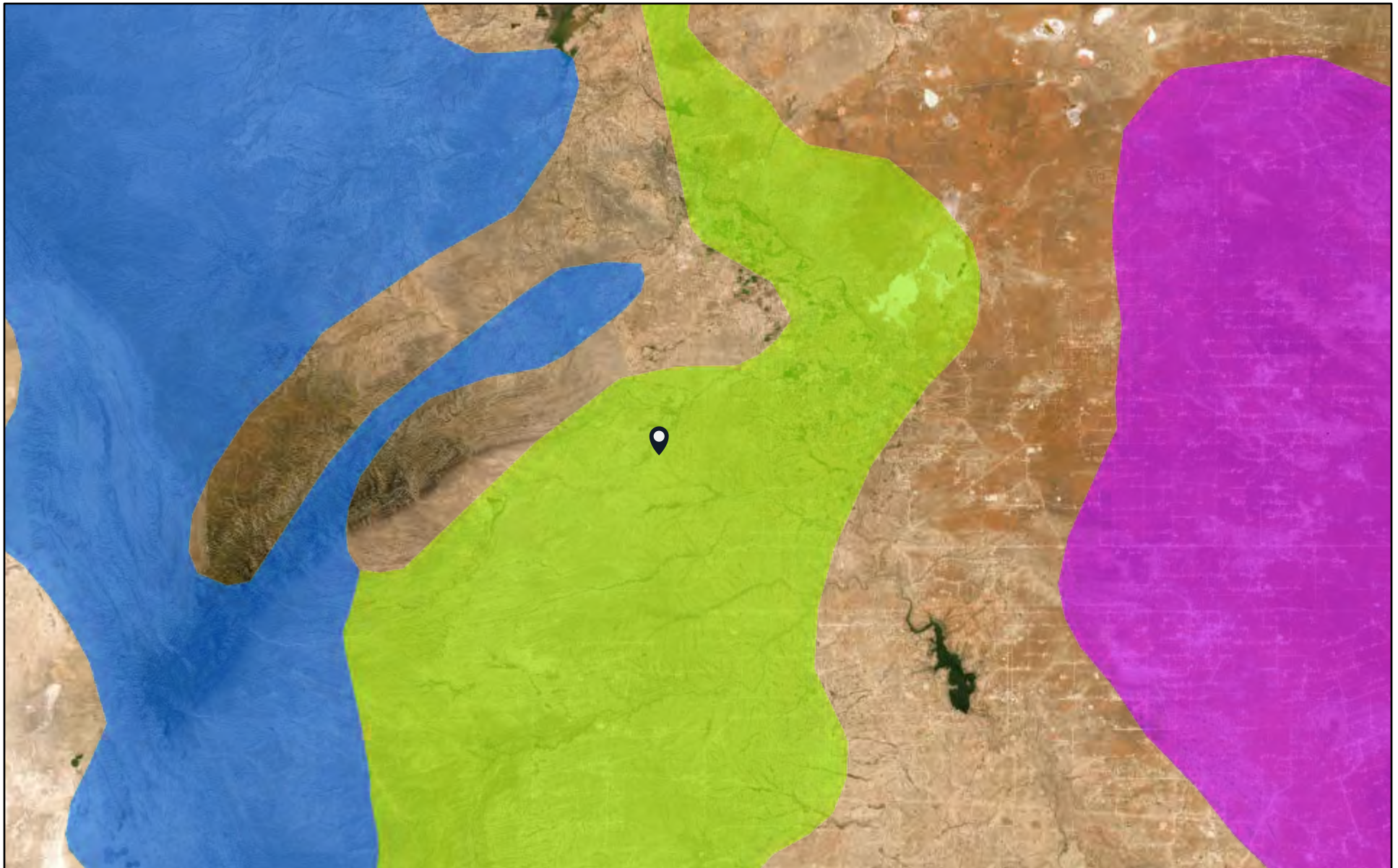
**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria



## **Attachment I**

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

## Ringer Federal #6



10/22/2024

## Karst Type

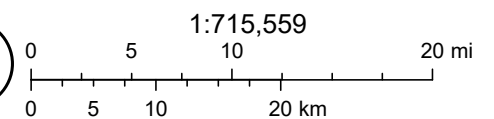
- Carbonate
- Erosional
- Gypsum

- Volcanic
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

High Resolution 30cm Imagery

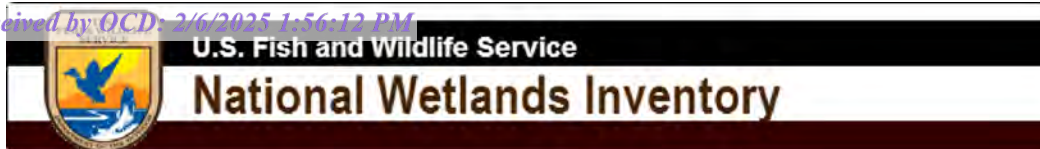
## Citations

150m 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





## Ringer Federal #6



October 22, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

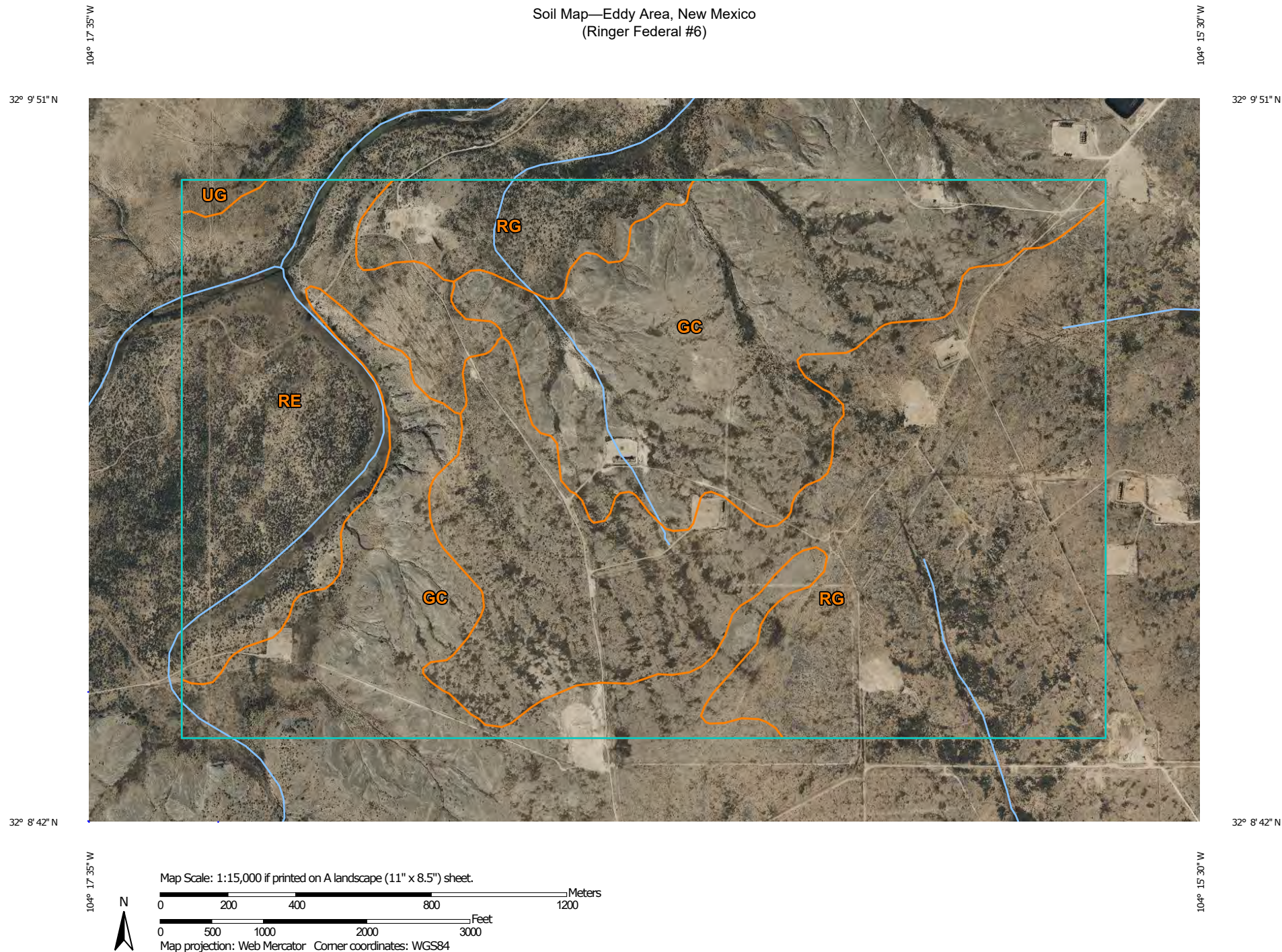
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.



Soil Map—Eddy Area, New Mexico  
(Ringer Federal #6)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

10/22/2024  
Page 1 of 3

Soil Map—Eddy Area, New Mexico  
(Ringer Federal #6)

## 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: Eddy Area, New Mexico

Survey Area Data: Version 20, 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: Nov 12, 2022—Dec 2, 2022

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
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	404.5	36.5%
RE	Reagan-Upton association, 0 to 9 percent slopes	193.7	17.5%
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	504.3	45.6%
UG	Upton gravelly loam, 0 to 9 percent slopes	4.5	0.4%
Totals for Area of Interest		1,107.0	100.0%



Map Unit Description: Gypsum land-Cottonwood complex, 0 to 3 percent slopes---Eddy Area,  
New Mexico

Ringer Federal #6

## Eddy Area, New Mexico

### GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4g  
*Elevation:* 1,250 to 5,000 feet  
*Mean annual precipitation:* 10 to 25 inches  
*Mean annual air temperature:* 57 to 66 degrees F  
*Frost-free period:* 190 to 225 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Gypsum land:* 60 percent  
*Cottonwood and similar soils:* 30 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Gypsum Land

##### Setting

*Landform:* Ridges, plains, hills  
*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope  
*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from gypsum

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 8s  
*Hydric soil rating:* No

#### Description of Cottonwood

##### Setting

*Landform:* Ridges, hills  
*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope  
*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 60 inches:* bedrock

Map Unit Description: Gypsum land-Cottonwood complex, 0 to 3 percent slopes---Eddy Area,  
New Mexico

Ringer Federal #6

### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 3 to 12 inches to paralithic bedrock

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.20 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Gypsum, maximum content:* 5 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0  
mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* D

*Ecological site:* R070BB006NM - Gyp Upland

*Hydric soil rating:* No

### Minor Components

#### Rock outcrop

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Cottonwood

*Percent of map unit:* 5 percent

*Ecological site:* R070BC033NM - Salty Bottomland

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024



## **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/oecd/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 421554

**QUESTIONS**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 421554
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2430244854
Incident Name	NAPP2430244854 RINGER FEDERAL 6 @ 30-015-33187
Incident Type	Other
Incident Status	Remediation Plan Approved
Incident Well	[30-015-33187] RINGER FEDERAL #006

Location of Release Source	
Site Name	Ringer Federal 6
Date Release Discovered	08/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,600
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/21/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Roy Bell 575-626-8959
Please provide any information necessary for navigation to sampling site	32.154638, -104.275909

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 421554

CONDITIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 421554
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ccottrell	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.	1/16/2025

## **Attachment III**

### **Depth to Groundwater**



## New Mexico Office of the State Engineer

# Wells With Well Log Information

No report data available.

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

**Easting:** 568280.58

**Northing:** 3557806.29

**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 IV Site Photographs**

Photographs


Photo:	1	Description: Area of Concern
<div><div>South Elevation</div><div>☀ 356°N (T)    ● 32.154580°, -104.275765° ±6ft    ▲ 3349ft</div><div>25 Jun 2024 09:11:51</div></div>		

Photo:	2	Description: Area of Concern
<div><div>North Elevation</div><div>☀ 198°S (T)    ● 32.155194°, -104.275831° ±13ft    ▲ 3340ft</div><div>25 Jun 2024 09:13:54</div></div>		



## Photographs





## Photographs





Photographs



Photo: 7	Description: Excavation
	

Photo: 8	Description: Excavation
	

Photographs


Photo: 9	Description: Excavation
<div><div>NE60E90120SE150</div><div>☀ 99°E (T) ● 32.154949, -104.276011 ±3m ▲ 999m</div><div>ExcavatiknRinger 617 Jan 2025, 14:04:55</div></div>	

Photo: 10	Description: Excavation
<div><div>NW330N030NE60</div><div>☀ 8°N (T) ● 32.1546, -104.27589 ±3m ▲ 1001m</div><div>ExcavatiknRinger 617 Jan 2025, 14:05:57</div></div>	



Photographs

Photo: 11	Description: Excavation
-----------	-------------------------

NE

60

E


90

120

SE

150

☀ 99°E (T) ● 32.154949, -104.276011 ±3m ▲ 999m



Excavatikn

Ringer 6  
17 Jan 2025, 14:04:55

Photo: 12	Description: Excavation
-----------	-------------------------

NW

330

N


0

30

NE

60

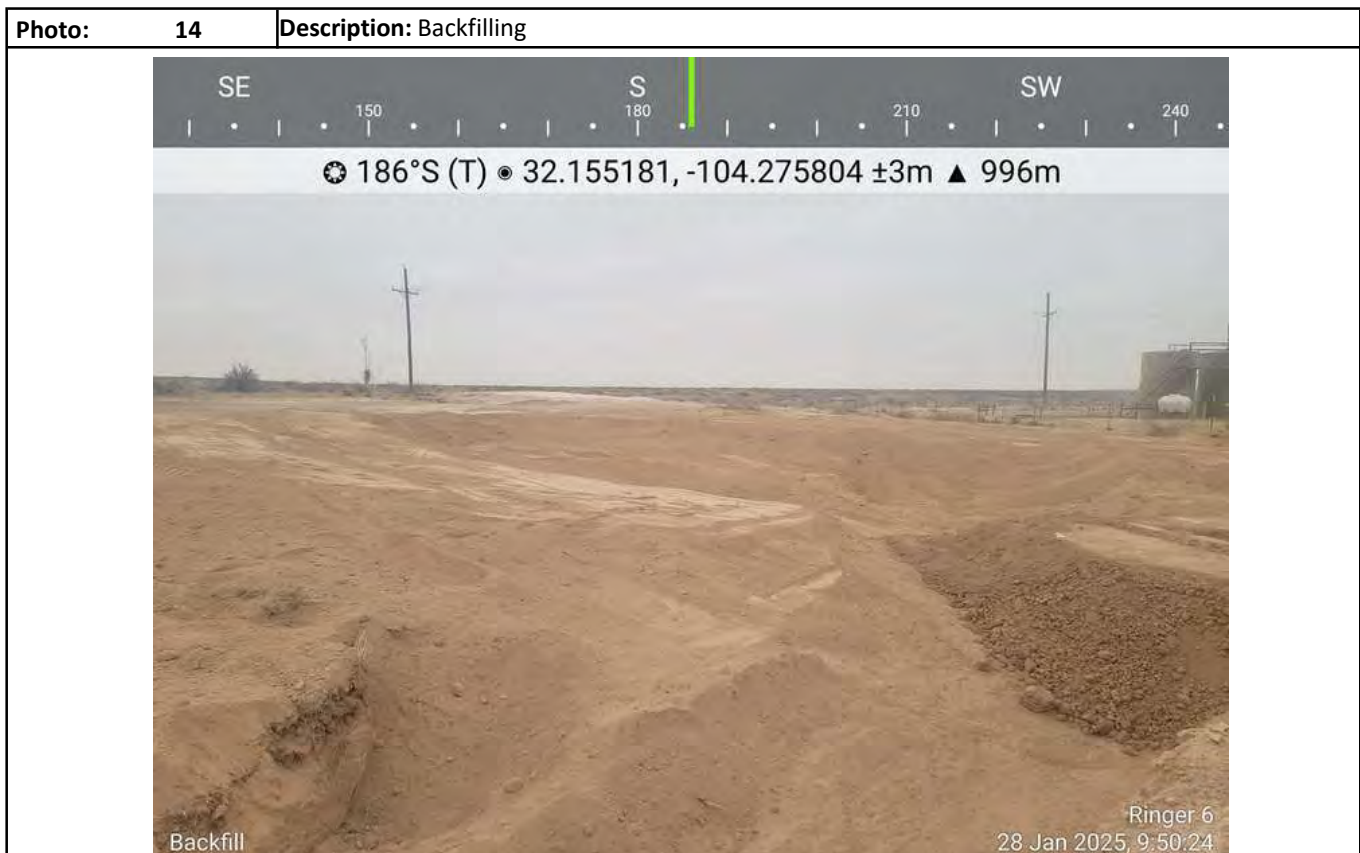
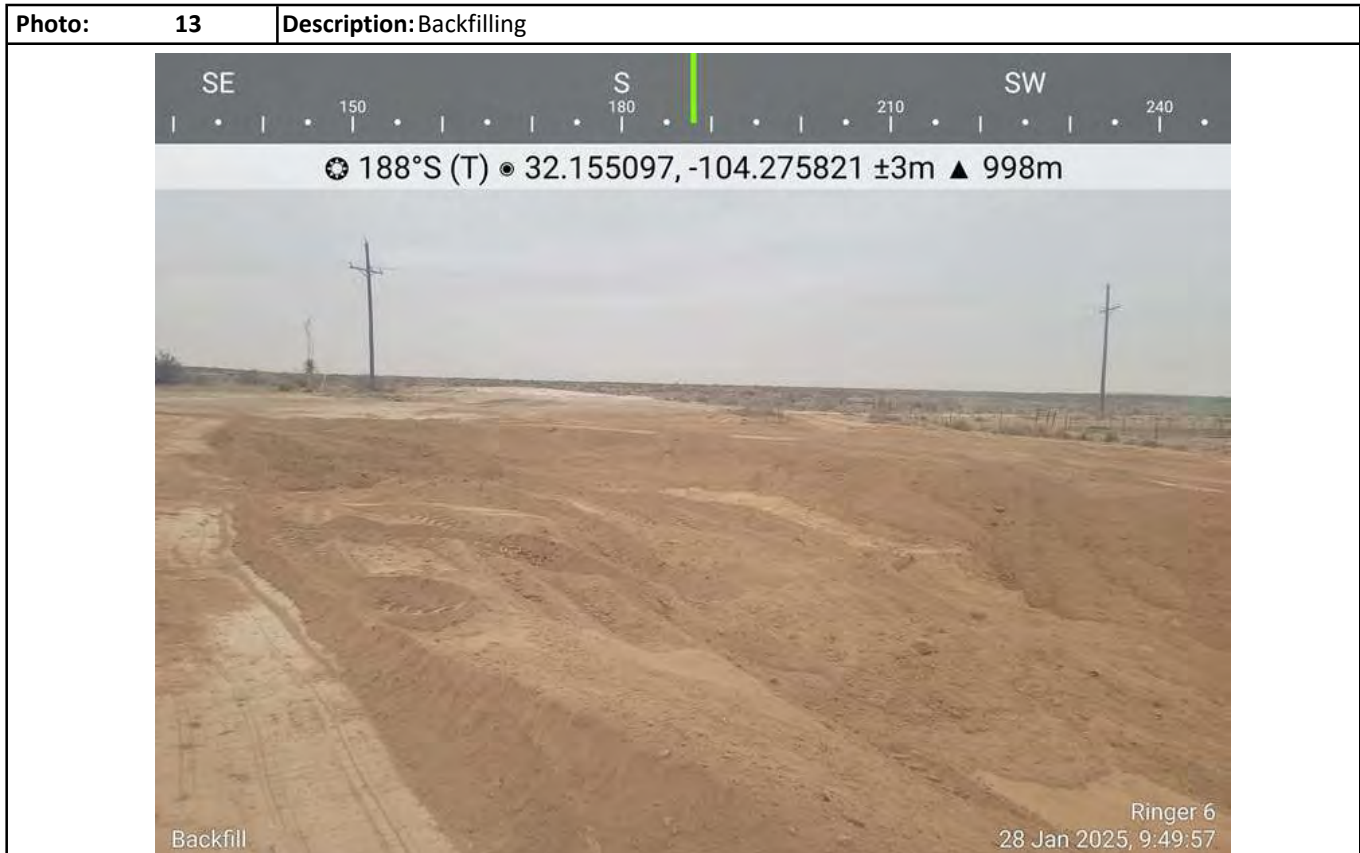
☀ 8°N (T) ● 32.1546, -104.27589 ±3m ▲ 1001m



Excavatikn

Ringer 6  
17 Jan 2025, 14:05:57

## Photographs





## Photographs





Photographs





## Photographs



## **Attachment V**

### **Field Data**



## Hungry Horse, LLC

## Sample Log

Project: Ringer Federal #6

Date: 10-31-24 11-1-24Karst Yes Water <50'GPS: 32.154641, -104.275903

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

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ1	Surf	no	1.0 > 100	
	1'	no	1.2 > 100	
HZ2	Surf	no	1.4 @ 29x4 = 116	
	1'	no	1.8 @ 42x4 = 168	
HZ3	Surf	no	1.2 > 100	
	1'	no	2.0 @ 49x4 = 198	
HZ4	Surf	no	0.8 > 100	
	1'	no	1.8 @ 42x4 = 168	
HZ5	Surf	no	1.6 @ 35x4 = 140	
	1'	no	2.2 @ 56x4 = 224	
HZ6	Surf	no	1.4 @ 29x4 = 116	
	1'	no	2.0 @ 49x4 = 198	
HZ7	Surf	no	1.0 > 100	
	1'	no	1.6 @ 35x4 = 140	
HZ8	Surf	no	1.4 @ 29x4 = 116	
	1'	no	2.2 @ 56x4 = 198	
SP1	Surf	Little	Greater than 2.0	
	1'	Little	" "	
	2'	Little	5.4 @ 260x4 = 1,040	
	3'	no	5.2 @ 42x4 = 968	
	4'	no	4.8 @ 202x4 = 832	
	6'	no	4.2 @ 163x4 = 652	
	8'	no	3.4 @ 113x4 = 452	
SP2	Surf	Yes	7.4 @ 518x4 = 2,072	
	1'	Little	7.0 @ 450x4 = 1,800	
	2'	Little	5.6 @ 279x4 = 1,116	
	3'	Little	5.6 @ 279x4 = 1,116	
	4'	no	5.4 @ 260x4 = 1,040	
	10'	no	5.0 @ 224x4 = 896	
	8'	no	3.8 @ 137x4 = 548	
<del>SP3</del>	5' 10'	no	2.8 @ 82x4 = 328	
SP3	Surf	Yes	Greater than 2.0	
	1'	Little	7.2 @ 598x4 = 2,392	
	2'	no	4.4 @ 178x4 = 712	
	3'	no	2.8 @ 82x4 = 328	
	4'	no	3.0 @ 92x4 = 368	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

**Hungry Horse, LLC**

Date:

GPS: 32.154641, -104.275903

**Sampler:** Jerry Heidelberg

[illegible]

Test Trench = TT1 @ ##

**Resamples= SP1b @ 5' or SW #1b**

**Stockpile = Stockpile #1**

## **Attachment VI**

### **Laboratory Analytical Results**





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

---

August 20, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: RINGER FED 6

Enclosed are the results of analyses for samples received by the laboratory on 08/16/24 12:05.

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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (0.5') (H244987-01)**

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	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	12500	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (2') (H244987-02)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEx	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	2720	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (4') (H244987-03)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	1840	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (6') (H244987-04)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	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	880	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 01 (8') (H244987-05)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	272	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (0.5') (H244987-06)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	480	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (2') (H244987-07)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	16.0	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (4') (H244987-08)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEx	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	272	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 02 (7') (H244987-09)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	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	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (0.5') (H244987-10)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (2') (H244987-11)**

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	08/17/2024	ND	2.28	114	2.00	2.05	
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	128	16.0	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (4') (H244987-12)**

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	08/17/2024	ND	2.28	114	2.00	2.05		
Toluene*	<0.050	0.050	08/17/2024	ND	2.33	117	2.00	0.624		
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.40	120	2.00	0.836		
Total Xylenes*	<0.150	0.150	08/17/2024	ND	7.23	120	6.00	0.720		
Total BTEX	<0.300	0.300	08/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/19/2024	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	08/19/2024	ND	242	121	200	1.93	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	217	108	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 03 (8') (H244987-13)**

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	08/19/2024	ND	2.06	103	2.00	0.747	QM-07
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882	QM-07
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26	QM-07
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314	QM-07
Total BTX	<0.300	0.300	08/19/2024	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	176	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (0.5') (H244987-14)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	144	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (2') (H244987-15)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	32.0	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (4') (H244987-16)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	32.0	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (5') (H244987-17)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTX	<0.300	0.300	08/19/2024	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	32.0	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (7') (H244987-18)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 01 (8') (H244987-19)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	16.0	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (0.5') (H244987-20)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	1010	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (2') (H244987-21)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTX	<0.300	0.300	08/19/2024	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	1060	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (4') (H244987-22)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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**Analytical Results For:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (4.5') (H244987-23)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	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	880	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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:**

MC NABB SERVICES  
 DIMITRY NIKANOROV  
 P. O. BOX 5753  
 HOBBS NM, 88240  
 Fax To: (575) 391-8484

Received: 08/16/2024  
 Reported: 08/20/2024  
 Project Name: RINGER FED 6  
 Project Number: NOT GIVEN  
 Project Location: EDDY CO., NM

Sampling Date: 08/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BG - 02 (7.5') (H244987-24)**

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	08/19/2024	ND	2.06	103	2.00	0.747		
Toluene*	<0.050	0.050	08/19/2024	ND	2.11	105	2.00	0.882		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	2.12	106	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.58	110	6.00	0.314		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	464	16.0	08/19/2024	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	08/19/2024	ND	210	105	200	2.16	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 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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### 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.
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", written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to [celery.kvelli@cardinalinnovations.com](mailto:celery.kvelli@cardinalinnovations.com).



e: McNabb Partners

[illegible]









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

November 05, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: RINGER FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 16:25.

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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 1 - SURF (H246693-01)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	51200	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 1 - 8' (H246693-02)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 2 - SURF (H246693-03)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2520	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 2 - 8' (H246693-04)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 3 - SURF (H246693-05)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	12600	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 3 - 3' (H246693-06)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	496	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 4 - SURF (H246693-07)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	1560	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SP 4 - 1' (H246693-08)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	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	96.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 1 - SURF (H246693-09)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	32.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 1 - 1' (H246693-10)**

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	11/04/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	32.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 2 - SURF (H246693-11)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 2 - 1' (H246693-12)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	11/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 3 - SURF (H246693-13)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTX	<0.300	0.300	11/05/2024	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	32.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 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: 11/01/2024  
 Reported: 11/05/2024  
 Project Name: RINGER FEDERAL #6  
 Project Number: MURCHISON  
 Project Location: UL/P SEC 3 T25S - R26E

Sampling Date: 11/01/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: HZ 3 - 1' (H246693-14)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	16.0	16.0	11/04/2024	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	11/04/2024	ND	199	99.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	197	98.6	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 4 - SURF (H246693-15)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTX	<0.300	0.300	11/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	16.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 4 - 1' (H246693-16)**

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	11/05/2024	ND	1.89	94.3	2.00	12.2		
Toluene*	<0.050	0.050	11/05/2024	ND	1.83	91.4	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	1.86	92.9	2.00	9.84		
Total Xylenes*	<0.150	0.150	11/05/2024	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	11/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	16.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 5 - SURF (H246693-17)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 5 - 1' (H246693-18)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	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	<16.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 6 - SURF (H246693-19)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 6 - 1' (H246693-20)**

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	11/04/2024	ND	2.02	101	2.00	0.305	
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682	
Total BTX	<0.300	0.300	11/04/2024	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	16.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 7 - SURF (H246693-21)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEx	<0.300	0.300	11/04/2024	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	32.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 7 - 1' (H246693-22)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	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	48.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 8 - SURF (H246693-23)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEx	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	11/04/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: HZ 8 - 1' (H246693-24)**

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	11/04/2024	ND	2.02	101	2.00	0.305		
Toluene*	<0.050	0.050	11/04/2024	ND	2.09	104	2.00	0.0235		
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.11	105	2.00	0.201		
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.28	105	6.00	0.0682		
Total BTEX	<0.300	0.300	11/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	16.0	16.0	11/05/2024	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	11/04/2024	ND	223	111	200	2.78	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	214	107	200	2.80	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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\*=Accredited Analyte

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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.
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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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

---

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						Company: Murchison Oil & Gas																	
Address: 4024 Plains Hwy						Attn: Greg Boans																	
City: Lovington			State: NM			Zip: 88260			Address: 5325 Sierra Vista														
Phone #: 575 393-3386			Fax #:			City: Carlsbad																	
Project #:			Project Owner: Murchison Oil & Gas			State: NM			Zip: 88230														
Project Name: Ringer Federal #6						State: NM						Zip: 88230											
Project Location: U/L P Sec 3 T2S5 - R26E						Phone #: 575 706-0667																	
Sample Name: Jerry Heidelberg						Fax #:																	
FOR LAB USE ONLY						PRESERV.						SAMPLING											
Lab I.D. Sample I.D.						(G)RAB OR (C)OMP.																	
H24U093						# CONTAINERS																	
						GROUNDWATER																	
						WASTEWATER																	
						SOIL																	
						OIL																	
						SLUDGE																	
						OTHER :																	
						ACID/BASE:																	
						ICE / COOL																	
						OTHER :																	
						DATE						TIME											
1						SP1-Surf						X						Chloride					
2						SP1-8'						X						TPH					
3						SP2-Surf						X						BTEX 8021					
4						SP2-8'						X											
5						SP3-Surf						X											
6						SP3-3'						X											
7						SP4-Surf						X											
8						SP4-1'						X											
9						HZ1-Surf						X											
10						HZ1-1'						X											
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Relinquished By: [Signature]												Date: 11-24											
Time: 10:25												Received By: [Signature]											
Delivered By: (Circle One)												Sample Condition											
Cool Intact												Checked BY: [Initials]											
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												REMARKS: 48 hr RUSH!											
Fax Result: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>												Email results to: pm@hungry-horse.com											
gboans@jdmil.com																							





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Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 29





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 29



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

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December 27, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: OGDEN STATE 4

Enclosed are the results of analyses for samples received by the laboratory on 12/19/24 15:45.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/19/2024	Sampling Date:	12/19/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	OGDEN STATE 4	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/ P SEC 2 T25S - R26E		

**Sample ID: TOPSOIL PIT 1' (H247701-01)**

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	12/24/2024	ND	1.64	82.2	2.00	9.84		
Toluene*	<0.050	0.050	12/24/2024	ND	1.71	85.7	2.00	10.0		
Ethylbenzene*	<0.050	0.050	12/24/2024	ND	1.67	83.7	2.00	9.95		
Total Xylenes*	<0.150	0.150	12/24/2024	ND	4.91	81.8	6.00	9.91		
Total BTEX	<0.300	0.300	12/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	32.0	16.0	12/26/2024	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	12/26/2024	ND	195	97.5	200	3.40	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	183	91.4	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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





## Page 4 of 4

*Released to Imaging: 2/7/2025 1:23:00 PM*



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

---

January 23, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: RINGER FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 16:13.

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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 1 6.5' (H250364-01)**

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	01/22/2025	ND	2.19	110	2.00	2.09	
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61	
Total BTX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 2 6.5' (H250364-02)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 3 6.5' (H250364-03)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 4 6.5' (H250364-04)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 5 6.5' (H250364-05)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 6 6.5' (H250364-06)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 7 6.5' (H250364-07)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEx	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	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	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 8 6.5' (H250364-08)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 9 6.5' (H250364-09)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 10 6.5' (H250364-10)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 11 6.5' (H250364-11)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.7 % 49.1-148

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**Analytical Results For:**

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 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 12 6.5' (H250364-12)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 13 6.5' (H250364-13)**

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	01/22/2025	ND	2.19	110	2.00	2.09	
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61	
Total BTX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 14 6.5' (H250364-14)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 15 6.5' (H250364-15)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 16 6.5' (H250364-16)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 17 6.5' (H250364-17)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 18 6.5' (H250364-18)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 19 6.5' (H250364-19)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 20 6.5' (H250364-20)**

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	01/22/2025	ND	2.19	110	2.00	2.09		
Toluene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	6.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.24	112	2.00	7.23		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.76	113	6.00	6.61		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	220	110	200	0.0555	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	192	95.8	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 21 6.5' (H250364-21)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 62.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.5 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 22 6.5' (H250364-22)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 23 6.5' (H250364-23)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 24 6.5' (H250364-24)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 25 6.5' (H250364-25)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 26 6.5' (H250364-26)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 27 6.5' (H250364-27)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 28 6.5' (H250364-28)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763		
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188		
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND						

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 29 3' (H250364-29)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 30 3' (H250364-30)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 31 3' (H250364-31)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763		
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188		
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND						

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 32 3' (H250364-32)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEx	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 33 3' (H250364-33)**

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	01/22/2025	ND	2.13	106	2.00	0.803	
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865	
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 34 3' (H250364-34)**

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	01/22/2025	ND	2.13	106	2.00	0.803	
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865	
Total BTEX	<0.300	0.300	01/22/2025	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	16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 35 3' (H250364-35)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 36 3' (H250364-36)**

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	01/22/2025	ND	2.13	106	2.00	0.803	
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865	
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 37 3' (H250364-37)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 38 3' (H250364-38)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 39 3' (H250364-39)**

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	01/22/2025	ND	2.13	106	2.00	0.803		
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 40 3' (H250364-40)**

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	01/22/2025	ND	2.13	106	2.00	0.803	
Toluene*	<0.050	0.050	01/22/2025	ND	2.18	109	2.00	1.21	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.38	119	2.00	0.0907	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	7.29	121	6.00	0.865	
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	203	102	200	0.0763	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	197	98.7	200	0.188	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 41 3' (H250364-41)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 42 6" (H250364-42)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 43 6" (H250364-43)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 44 6" (H250364-44)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.5 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 45 6" (H250364-45)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 46 6" (H250364-46)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84	
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86	
Total BTX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 47 6" (H250364-47)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 48 6" (H250364-48)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84	
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 49 6" (H250364-49)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 50 6" (H250364-50)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 51 6" (H250364-51)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 52 6" (H250364-52)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 53 6" (H250364-53)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 54 6" (H250364-54)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 55 6" (H250364-55)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84	
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 56 1' (H250364-56)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 57 1' (H250364-57)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 58 1' (H250364-58)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 59 1' (H250364-59)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 60 1' (H250364-60)**

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	01/22/2025	ND	1.88	94.2	2.00	2.84		
Toluene*	<0.050	0.050	01/22/2025	ND	1.99	99.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.92	95.9	2.00	3.57		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.62	93.6	6.00	3.86		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	210	105	200	1.45	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	203	102	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 61 1' (H250364-61)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 62 1' (H250364-62)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 63 1' (H250364-63)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06		
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND						

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 64 1' (H250364-64)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 65 6" (H250364-65)**

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	01/22/2025	ND	2.10	105	2.00	3.22	
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681	
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 66 6" (H250364-66)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 67 6" (H250364-67)**

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	01/22/2025	ND	2.10	105	2.00	3.22	
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681	
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 68 6" (H250364-68)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 69 6" (H250364-69)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 70 6" (H250364-70)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 71 5' (H250364-71)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 63.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 72 5' (H250364-72)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: FL 73 5' (H250364-73)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 1 0-6.5' (H250364-74)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 2 0-6.5' (H250364-75)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 3 0-6.5' (H250364-76)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 4 0-6.5' (H250364-77)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 68.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 5 0-6.5' (H250364-78)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 6 0-6.5' (H250364-79)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 7 0-6.5' (H250364-80)**

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	01/22/2025	ND	2.10	105	2.00	3.22		
Toluene*	<0.050	0.050	01/22/2025	ND	2.17	109	2.00	0.891		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	0.351		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.72	112	6.00	0.681		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	190	95.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	190	95.1	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 8 0-6.5' (H250364-81)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 9 0-6.5' (H250364-82)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 10 3-6.5' (H250364-83)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 11 3-6.5' (H250364-84)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 12 3-6.5' (H250364-85)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 13 0-3' (H250364-86)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 14 0-3' (H250364-87)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17	
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42	
Total BTEX	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	ND	448	112	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 15 0-6" (H250364-88)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17	
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 16 0-6" (H250364-89)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 17 0-1' (H250364-90)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



## Page 93 of 101

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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		P.O. #:		BILL TO		ANALYSIS REQUEST																																									
Project Manager: Daniel Dominguez		Company: Murchison Oil & Gas																																													
Address: 4024 Plains Hwy		City: Lovington		State: NM		Zip: 88260		Attn: Greg Boans																																							
Phone #: 575 393-3386		Fax #:		Address: 5325 Sierra Vista				City: Carlsbad																																							
Project #:		Project Owner: Murchison Oil & Gas		State: NM		Zip: 88230																																									
Project Name: Ringer Federal #6		State: NM		Zip: 88230																																											
Project Location: U/L P Sec 3 T25S - R26E		Phone #: 575 706-0667																																													
Sampler Name: Jerry Heidelberg		Fax #:																																													
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																																	
11		FL11		6.5'		C 1		X		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
12		FL12		6.5'		C 1		X																				1/21/25		825		X		X		X											
13		FL13		6.5'		C 1		X																				1/21/25		827		X		X		X											
14		FL14		6.5'		C 1		X																				1/21/25		829		X		X		X											
15		FL15		6.5'		C 1		X																				1/21/25		831		X		X		X											
16		FL16		6.5'		C 1		X																				1/21/25		833		X		X		X											
17		FL17		6.5'		C 1		X																				1/21/25		835		X		X		X											
18		FL18		6.5'		C 1		X																				1/21/25		837		X		X		X											
19		FL19		6.5'		C 1		X																				1/21/25		839		X		X		X											
20		FL20		6.5'		C 1		X																				1/21/25		841		X		X		X											
21		FL21		6.5'		C 1		X																				1/21/25		843		X		X		X											
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Relinquished By: <i>[Signature]</i>		Date: 1-21-25		Time: 1:03		Received By: <i>[Signature]</i>		Date: 1-21-25		Time: 1:03		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: (Initials) <i>[Signature]</i>		REMARKS: 48 hr RUSH! Email results to: pm@hungry-horse.com gboans@idmii.com																															
Delivered By: (Circle One) <i>045</i> / <i>0000</i>		Sampler - UPS - Bus - Other: <i>0.85</i> / <i>#100</i>																																													

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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		Company: Murchison Oil & Gas																																													
Address: 4024 Plains Hwy		Attn: Greg Boans																																													
City: Lovington		Address: 5325 Sierra Vista																																													
State: NM		City: Carlsbad																																													
Zip: 88260		State: NM																																													
Phone #: 575 393-3386		Zip: 88230																																													
Fax #:		Phone #: 575 706-0667																																													
Project #:		Fax #:																																													
Project Name: Ringer Federal #6																																															
Project Location: U/L P Sec 3 T25S - R26E																																															
Sampler Name: Jerry Heidelberg																																															
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		FL31		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		907		X		X		X											
32		FL32		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		909		X		X		X											
33		FL33		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		911		X		X		X											
34		FL34		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		913		X		X		X											
35		FL35		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		915		X		X		X											
36		FL36		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		917		X		X		X											
37		FL37		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		919		X		X		X											
38		FL38		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		921		X		X		X											
39		FL39		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		923		X		X		X											
40		FL40		3'		C 1		1		X		X		X		X		X		X		X		X		X		1/21/25		925		X		X		X											
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Relinquished By: <i>[Signature]</i>		Date: 1-21-25		Time: 10:13		Received By: <i>[Signature]</i>		Date:		Time:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY: <i>[Signature]</i>		REMARKS: 48 hr RUSH! Email results to: pm@hungry-horse.com gboans@jdmil.com																															
Delivered By: (Circle One) <i>0-4</i>		Time:		Time:		Time:		Time:		Time:		Time:		Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:																															
Sampler - UPS - Bus - Other: <i>0-2</i>		# <i>148</i>														Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																															



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## Page 97 of 101

Company Name: Hungry Horse LLC			BILL TO			ANALYSIS REQUEST																										
Project Manager: Daniel Dominguez			P.O. #:																													
Address: 4024 Plains Hwy			Company: Murchison Oil & Gas																													
City: Lovington		State: NM	Zip: 88260	Attn: Greg Boans																												
Phone #: 575 393-3386		Fax #:	Address: 5325 Sierra Vista																													
Project #:		Project Owner: Murchison Oil & Gas		City: Carlsbad																												
Project Name: Ringer Federal #6			State: NM		Zip: 88230																											
Project Location: U/L P Sec 3 T25S - R26E			Phone #: 575 706-0667																													
Sample Name: Jerry Heidelberg			Fax #:																													
FOR LAB USE ONLY			PRESERV.		SAMPLING																											
Lab I.D.			Sample I.D.		Depth		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		DATE		TIME		Chloride		TPH		BTEX 8021											
H250814			41		FL41		3'		C 1		X		1/21/25		927		X		X		X											
42			FL42		6"		C 1		X		X		1/21/25		929		X		X		X											
43			FL43		6"		C 1		X		X		1/21/25		931		X		X		X											
44			FL44		6"		C 1		X		X		1/21/25		933		X		X		X											
45			FL45		6"		C 1		X		X		1/21/25		935		X		X		X											
46			FL46		6"		C 1		X		X		1/21/25		937		X		X		X											
47			FL47		6"		C 1		X		X		1/21/25		939		X		X		X											
48			FL48		6"		C 1		X		X		1/21/25		941		X		X		X											
49			FL49		6"		C 1		X		X		1/21/25		943		X		X		X											
50			FL50		6"		C 1		X		X		1/21/25		945		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 service. 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: 1/11/25		Time: 1:13		Received By: [Signature]		Date: 1/11/25		Time: 1:13		Phone Result: [ ] Yes [ ] No		Fax Result: [ ] Yes [ ] No		Add'l Phone #: [ ]		Add'l Fax #: [ ]		REMARKS: 48 hr RUSH!											
Delivered By: (Circle One) [Signature]			Date: 01/11/25		Time: 1:13		Received By: [Signature]		Date: 01/11/25		Time: 1:13		Sample Condition: [ ] Cool [ ] Intact [ ] Yes [ ] No		CHECKED BY: [Signature]		Email results to: pm@hungry-horse.com gboans@jdmil.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		P.O. #:		BILL TO										ANALYSIS REQUEST														
Project Manager: Daniel Dominguez		Company: Murchison Oil & Gas																										
Address: 4024 Plains Hwy		Attn: Greg Boans																										
City: Lovington	State: NM	Zip: 88260	Address: 5325 Sierra Vista																									
Phone #: 575 393-3386	Fax #:		City: Carlsbad																									
Project #:	Project Owner: Murchison Oil & Gas	State: NM	Zip: 88230																									
Project Name: Ringer Federal #6		Phone #: 575 706-0667	Fax #:																									
Project Location: U/P Sec 3 T25S - R26E																												
Sampler Name: Jerry Heidelberg																												
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												
9	FL51	6"	C 1		GROUNDWATER									1/21/25	947	X	X	X										
52	FL52	6"	C 1		WASTEWATER									1/21/25	949	X	X	X										
53	FL53	6"	C 1		SOIL									1/21/25	951	X	X	X										
54	FL54	6"	C 1		OIL									1/21/25	953	X	X	X										
55	FL55	6"	C 1		SLUDGE									1/21/25	955	X	X	X										
56	FL56	1'	C 1		OTHER :									1/21/25	957	X	X	X										
57	FL57	1'	C 1		ACID/BASE:									1/21/25	959	X	X	X										
58	FL58	1'	C 1		ICE / COOL									1/21/25	1001	X	X	X										
59	FL59	1'	C 1		OTHER :									1/21/25	1003	X	X	X										
60	FL60	1'	C 1											1/21/25	1005	X	X	X										
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Relinquished By: <i>[Signature]</i>		Date: 1-21-25	Received By: <i>[Signature]</i>		REMARKS: 48 hr RUSH!																							
Relinquished By: <i>[Signature]</i>		Date: 1-21-25	Received By: <i>[Signature]</i>		Email results to: pm@hungry-horse.com																							
Delivered By: (Circle One) 0-4- / 10-0-0- / #140		Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <i>[Signature]</i>		gboans@jdmii.com																						
Sampler - UPS - Bus - Other: -0-0- / #140		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Phone #: <input type="checkbox"/>		Add'l Fax #: <input type="checkbox"/>																						





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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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: Murchison Oil & Gas																																													
Address: 4024 Plains Hwy		Attn: Greg Boans																																													
City: Lovington		Address: 5325 Sierra Vista																																													
Phone #: 575 393-3386		City: Carlsbad																																													
Project #:		State: NM																																													
Project Name: Ringer Federal #6		Zip: 88230																																													
Project Location: U/L P Sec 3 T25S - R26E		Phone #: 575 706-0667																																													
Sampler Name: Jerry Heidelberg		Fax #:																																													
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		BTEX 8021											
H250304		-11		FL71		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1027		X		X		X											
-12		FL72		5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1029		X		X		X											
-13		FL73		5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1031		X		X		X											
-14		SW1		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1033		X		X		X											
-15		SW2		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1035		X		X		X											
-16		SW3		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1037		X		X		X											
-17		SW4		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1039		X		X		X											
-18		SW5		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1041		X		X		X											
-19		SW6		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1043		X		X		X											
-20		SW7		0-6.5'		C 1		X		X		X		X		X		X		X		X		X		X		1/21/25		1045		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 analyses. 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: 1/13/25		Time: 10:13		Received By: [Signature]		Date: 1/13/25		Time: 10:13		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]		REMARKS: 48 hr RUSH! Email results to: pm@hungry-horse.com gboans@jdmil.com																															
Delivered By: (Circle One) 0-4- / 0-0-0- / 0-0-0- / #110		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]																																											
Sampler - UPS - Bus - Other: -0-3- / #110		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		CHECKED BY: [Signature]																																											





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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: Murchison Oil & Gas																																					
Address: 4024 Plains Hwy		Attn: Greg Boans																																					
City: Lovington	State: NM	Zip: 88260	Address: 5325 Sierra Vista																																				
Phone #: 575 393-3386	Fax #:	City: Carlsbad	State: NM	Zip: 88230																																			
Project #:	Project Owner: Murchison Oil & Gas	State: NM	Zip: 88230																																				
Project Name: Ringer Federal #6	Project Location: U/L P Sec 3 T25S - R26E	Phone #: 575 706-0667	Fax #:																																				
Sampler Name: Jerry Heidelberg	FOR LAB USE ONLY																																						
Lab I.D.  118507404	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021																						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								ACID/BASE:	ICE / COOL	OTHER :																			
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	X	X	X																														
					X	X	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 analyses. 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: 1-21-25	Received By: [Signature]																															
Relinquished By: [Signature]		Date: 1-21-25	Received By: [Signature]																																				
Delivered By: (Circle One) 0-416 / 0-0-0-0-		Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) [Signature]																																			
Sampler - UPS - Bus - Other: 0-0-0-0- / #140		Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																					
+ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																																							





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January 23, 2025

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: RINGER FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 16:13.

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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 18 0-1' (H250365-01)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17	
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 19 0-1' (H250365-02)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17	
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42	
Total BTX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 20 0-1' (H250365-03)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17	
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42	
Total BTEX	<0.300	0.300	01/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 21 0-6" (H250365-04)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 22 0-6" (H250365-05)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 23 0-6" (H250365-06)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 24 0-5' (H250365-07)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 25 0-5' (H250365-08)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 26 0-5' (H250365-09)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/23/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/P SEC 3 T25S - R26E		

**Sample ID: SW 27 0-5' (H250365-10)**

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	01/22/2025	ND	1.91	95.4	2.00	2.17		
Toluene*	<0.050	0.050	01/22/2025	ND	1.93	96.4	2.00	2.82		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.03	101	2.00	3.18		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.99	99.9	6.00	3.42		
Total BTEx	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	01/22/2025	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	01/22/2025	ND	212	106	200	0.548	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	210	105	200	0.858	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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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

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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



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											
Project Manager: Daniel Dominguez						P.O. #:											
Address: 4024 Plains Hwy						Company: Murchison Oil & Gas											
City: Lovington			State: NM			Zip: 88260			Attn: Greg Boans								
Phone #: 575-393-3386			Fax #:			Address: 5325 Sierra Vista											
Project #:			Project Owner: Murchison Oil & Gas			City: Carlsbad			State: NM			Zip: 88230					
Project Name: Ringer Federal #6						State: NM			Zip: 88230								
Project Location: UL / P Sec 3 T25S - R26E						Phone #: 575-706-0667											
Sampler Name: Jerry Heidelberg						Fax #:											
FOR LAB USE ONLY																	
Lab I.D.						(G)RAB OR (C)OMP.			# CONTAINERS								
Sample I.D.						Depth			GROUNDWATER			DATE					
SW18						0-1'			SOIL			TIME					
SW19						0-1'			SLUDGE								
SW20						0-1'			OTHER :								
SW21						0-6"			ACID/BASE:								
SW22						0-6"			ICE / COOL								
SW23						0-6"			OTHER :								
SW24						0-5'											
SW25						0-5'											
SW26						0-5'											
SW27						0-5'											
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Relinquished By:						Date: 1-1-05			Received By:								
Time: 1:13																	
Delivered By: (Circle One)						Oiled			Sample Condition			CHECKED BY:					
Cool Intact												(Initials)					
Yes Yes																	
No No																	
Sampler - UPS - Bus - Other: Oiled																	
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																	

## **Attachment VII**

### **NMBLM Seed Mixture 4 for Gypsum Sites**

**Mixture 4, for Gypsum Sites**

The holder shall seed all the disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Alkali Sacaton ( <i>Sporobolus airoides</i> )	1.5
DWS~ Four-wing saltbush ( <i>Atriplex canescens</i> )	8.0

~DWS: DeWinged Seed

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed



**Attachment VIII**  
**R360 Red Bluff Landfill Listing of Disposal Manifests**



Retrieved by OGDH 2/20/2025 1:30:12 PM											Page 227 of 2	
RB29105	740-385678	1/7/2025	RB365371	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385660	1/7/2025	RB365661	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385659	1/7/2025	RB369103	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JAIME	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385658	1/7/2025	RB365370	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385657	1/7/2025	RB369108	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JAIME	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385656	1/7/2025	RB365660	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	RAYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385655	1/7/2025	RB365369	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385654	1/7/2025	RB369102	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JAIME	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385653	1/7/2025	RB365659	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385591	1/7/2025	RB365368	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385590	1/7/2025	RB369101	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JAIME	Contaminated Soil (RCRA Exempt)	yards	18
RB29105	740-385589	1/7/2025	RB365658	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383688	12/20/2024	RB364100	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383520	12/19/2024	RB363682	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383482	12/19/2024	RB363683	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383430	12/19/2024	RB363680	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383285	12/18/2024	RB368734	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	RICARDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383284	12/18/2024	RB369840	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383283	12/18/2024	RB368776	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383282	12/18/2024	RB363678	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383281	12/18/2024	RB368735	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	RICARDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383280	12/18/2024	RB368775	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383279	12/18/2024	RB368777	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383278	12/18/2024	RB363679	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28993	740-383277	12/18/2024	RB363927	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	RICARDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383198	12/17/2024	RB369454	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383197	12/17/2024	RB369462	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383196	12/17/2024	RB369835	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383195	12/17/2024	RB369463	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383194	12/17/2024	RB369455	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383193	12/17/2024	RB368767	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383192	12/17/2024	RB368772	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	RAYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383191	12/17/2024	RB369837	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383190	12/17/2024	RB369838	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383189	12/17/2024	RB368773	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	REYNALDO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383188	12/17/2024	RB369836	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-383187	12/17/2024	RB368768	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382281	12/12/2024	RB373662	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382258	12/12/2024	RB369128	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ROBERTO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382257	12/12/2024	RB369129	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ALEJANDRO	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382026	12/11/2024	8004929	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382025	12/11/2024	RB373659	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382024	12/11/2024	RB368921	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	NOEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382023	12/11/2024	RB368835	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JOSE	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382022	12/11/2024	RB368836	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	JOSE	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382021	12/11/2024	RB368928	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	NOEL	Contaminated Soil (RCRA Exempt)	yards	18
RB28870	740-382020	12/11/2024	RB373660	MURCHISON OIL & GAS INC	GREG BOANS	30-015-33187	RINGER FEDERAL #6	HUNGRY HORSE, LLC	ANIEL	Contaminated Soil (RCRA Exempt)	yards	18
Total yards												1,782

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QUESTIONS

Action 429255

QUESTIONS

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2430244854
Incident Name	NAPP2430244854 RINGER FEDERAL 6 @ 30-015-33187
Incident Type	Other
Incident Status	Reclamation Report Received
Incident Well	[30-015-33187] RINGER FEDERAL #006

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Ringer Federal 6
Date Release Discovered	08/15/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Other
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

Nature and Volume of Release	
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.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Unknown   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 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)	Legacy release of unknown source. Release extent currently being assessed.

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QUESTIONS, Page 2

Action 429255

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	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)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>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.</i>	

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<b>Not answered.</b>

*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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 11/08/2024
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QUESTIONS, Page 3

Action 429255

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	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	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	High
A 100-year floodplain	Between 1 and 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)	51200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	12/09/2024
On what date will (or did) the final sampling or liner inspection occur	01/21/2025
On what date will (or was) the remediation complete(d)	01/21/2025
What is the estimated surface area (in square feet) that will be reclaimed	14600
What is the estimated volume (in cubic yards) that will be reclaimed	1782
What is the estimated surface area (in square feet) that will be remediated	14600
What is the estimated volume (in cubic yards) that will be remediated	1782
<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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QUESTIONS, Page 4

Action 429255

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	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.)	<a href="#">Yes</a>
Which OCD approved facility will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<a href="#">Yes</a>
In which state is the disposal taking place	<a href="#">Texas</a>
What is the name of the out-of-state facility	<a href="#">R360 Red Bluff Facility, Orla, TX</a>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<a href="#">No</a>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<a href="#">No</a>
(In Situ) Soil Vapor Extraction	<a href="#">No</a>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<a href="#">No</a>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<a href="#">No</a>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<a href="#">No</a>
Ground Water Abatement pursuant to 19.15.30 NMAC	<a href="#">No</a>
OTHER (Non-listed remedial process)	<a href="#">No</a>
<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: <a href="#">Cindy Cottrell</a> Title: <a href="#">Regulatory Coordinator</a> Email: <a href="mailto:ccottrell@jdmii.com">ccottrell@jdmii.com</a> Date: <a href="#">02/06/2025</a>
<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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QUESTIONS, Page 5  
  
Action 429255

QUESTIONS (continued)

Operator:  Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:  15363
	Action Number:  429255
	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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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Action 429255

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	421554
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/21/2025
What was the (estimated) number of samples that were to be gathered	100
What was the sampling surface area in square feet	14600

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

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	14600
What was the total volume (cubic yards) remediated	1782
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	14600
What was the total volume (in cubic yards) reclaimed	1782
Summarize any additional remediation activities not included by answers (above)	none

*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 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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 02/06/2025
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Action 429255

**QUESTIONS (continued)**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	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	14600
What was the total volume of replacement material (in cubic yards) for this site	1782
<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)	01/31/2025
Summarize any additional reclamation activities not included by answers (above)	built erosion control berms
<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 reseeding 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: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 02/06/2025



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Action 429255

QUESTIONS (continued)

Operator:  Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID:  15363
	Action Number:  429255
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
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.	

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CONDITIONS

Action 429255

**CONDITIONS**

Operator: Murchison Oil and Gas, LLC 7250 Dallas Parkway Plano, TX 75024	OGRID: 15363
	Action Number: 429255
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Remediation closure and reclamation report approved.	2/7/2025
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/7/2025
bhall	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 reseeded activities, inspections, and final pictures when revegetation is achieved.	2/7/2025
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	2/7/2025