



## Remediation Summary and Closure Request

**Riley Permian  
Montana Junction Riser  
Roosevelt County, New Mexico  
Unit Letter "O", Section 31, Township 8 South, Range 34 East  
Latitude 33.571416 North, Longitude 103.500598 West  
NMOCD Incident # nAPP2216659830**

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Prepared For:

Riley Permian  
29 E. Reno Ave., Suite 500  
Oklahoma City, OK 73104

Prepared By:

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4024 Plains Hwy  
Lovington, NM 88260  
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**August 2022**

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Incident ID	nAPP2216659830
District RP	
Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Ben Olszewski Title: EH&S Manager  
Signature: *Benjamin Olszewski* Date: 9/1/2022  
email: benolszewski@rileypermin.com Telephone: 405-415-8927

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Jennifer Nobui* Date: 09/08/2022  
Printed Name: Jennifer Nobui Title: Environmental Specialist A



## 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 O (SW/SE), Section 31, Township 8 South, Range 34 East, approximately 24 miles Northwest of Tatum, in Roosevelt County, New Mexico. The property is privately owned. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active pipeline; Latitude 33.571416 North, Longitude 103.500598 West. The Initial NMOCD Form C-141 indicated that on June 14, 2022 approximately 85.25 bbls of produced water were released due to corrosion on the bottom of the pipeline. A crew was dispatched to the release site and the line was repaired. A vacuum truck was dispatched to the location and approximately 10 bbls of fluid were recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

### 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 not located in a Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

One water well was located within a half mile of the release area, however, this well was not listed during a search of the NMOSE or USGS databases. The NMOCD requested the depth to water be gauged and documented with georeferenced photographs. On July 7, 2022, the well was gauged and depth to water determined to be approximately 140 feet bgs. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
~140	Chloride	EPA 300.0 or SM4500 CLB	20,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg
	GRO + DRO	EPA SW-846 Method 8015M Ext	1,000 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg





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### **Delineation and Remediation Activities:**

On June 15, 16 and July 7, 2022, Hungry Horse conducted an initial site assessment and a series of sampling events. During the sampling events, sample test trenches were advanced in the release area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the release area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, twenty-nine representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP9, HZ1 through HZ5, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 through SP9 at Surface, which exhibited TPH and/or chloride concentrations in excess of the NMOCD Closure Criteria.

From June 20 – July 13, 2022, the release area was excavated to approximately four and a half feet bgs. Soil impacted above the NMOCD Closure Criteria was excavated and stockpiled on site, within the release area, before transport to an NMOCD approved disposal facility.

On July 15, 2022, one hundred thirty-six composite confirmation soil samples were collected from the excavation floor and sidewalls, every 200 square feet and every 50 linear feet, respectively. Soil samples FL1 through FL119 and SW1 through SW17, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of excavation floor samples FL2 – FL7, FL9 – FL11, FL13, FL16, FL18 – FL20, FL24, FL27 – FL32, FL34 – FL37, FL41 – FL46, FL49 – FL51, FL53 – FL56, FL58 – FL60, FL63 – FL67, FL82, FL83, FL90, FL97, and FL98, which exhibited chloride concentrations in excess of the NMOCD Closure Criteria of 20,000 mg/kg below four feet bgs.

On July 29, 2022, the 200 square foot sample areas in excess of NMOCD Closure Criteria were excavated approximately six inches bgs and re-sampled. Fifty-one composite confirmation soil samples were then collected from the excavation floor. Soil samples FL2A – FL7A, FL9A – FL11A, FL13A, FL16A, FL18A – FL20A, FL24A, FL27A – FL32A, FL34A – FL37A, FL41A – FL46A, FL49A – FL51A, FL53A – FL56A, FL58A – FL60A, FL63A – FL67A, FL82A, FL83A, FL90A, FL97A, and FL98A, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of FL4A, FL6A, FL9A, FL11A, FL16A, FL19A, FL24A,



and FL28A, which exhibited chloride concentrations in excess of the NMOCD Closure Criteria of 20,000 mg/kg below four feet bgs.

On August 10, 2022, the 200 square foot sample areas still in excess of NMOCD Closure Criteria were further excavated approximately six inches bgs and re-sampled. Eight composite confirmation soil samples were then collected from the excavation floor. Soil samples FL4B, FL6B, FL9B, FL11B, FL16B, FL19B, FL24B, and FL28B, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria of 20,000 mg/kg below four feet bgs in each of the submitted samples.

The excavated area measured approximately two hundred feet in length, one hundred-fifty feet in width, and four and a half to five and a half feet in depth. During remediation activities approximately 5,180 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility. Manifests can be provided upon request.

A Delineation Sample Map, Excavation Closure Sample Map, and Sidewall Closure 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.

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

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, clean, non-impacted material. The area was contoured to achieve erosion control and preserve surface water flow. The affected area will be reseeded with an approved seed mixture during the first favorable growing season following these completed remediation activities.

### **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, Riley Permian respectfully requests closure of the Montana Junction Riser location, nAPP2216659830.



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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:**

**Riley Permian**

29 E. Reno Ave., Suite 500  
Oklahoma City, OK 73104

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

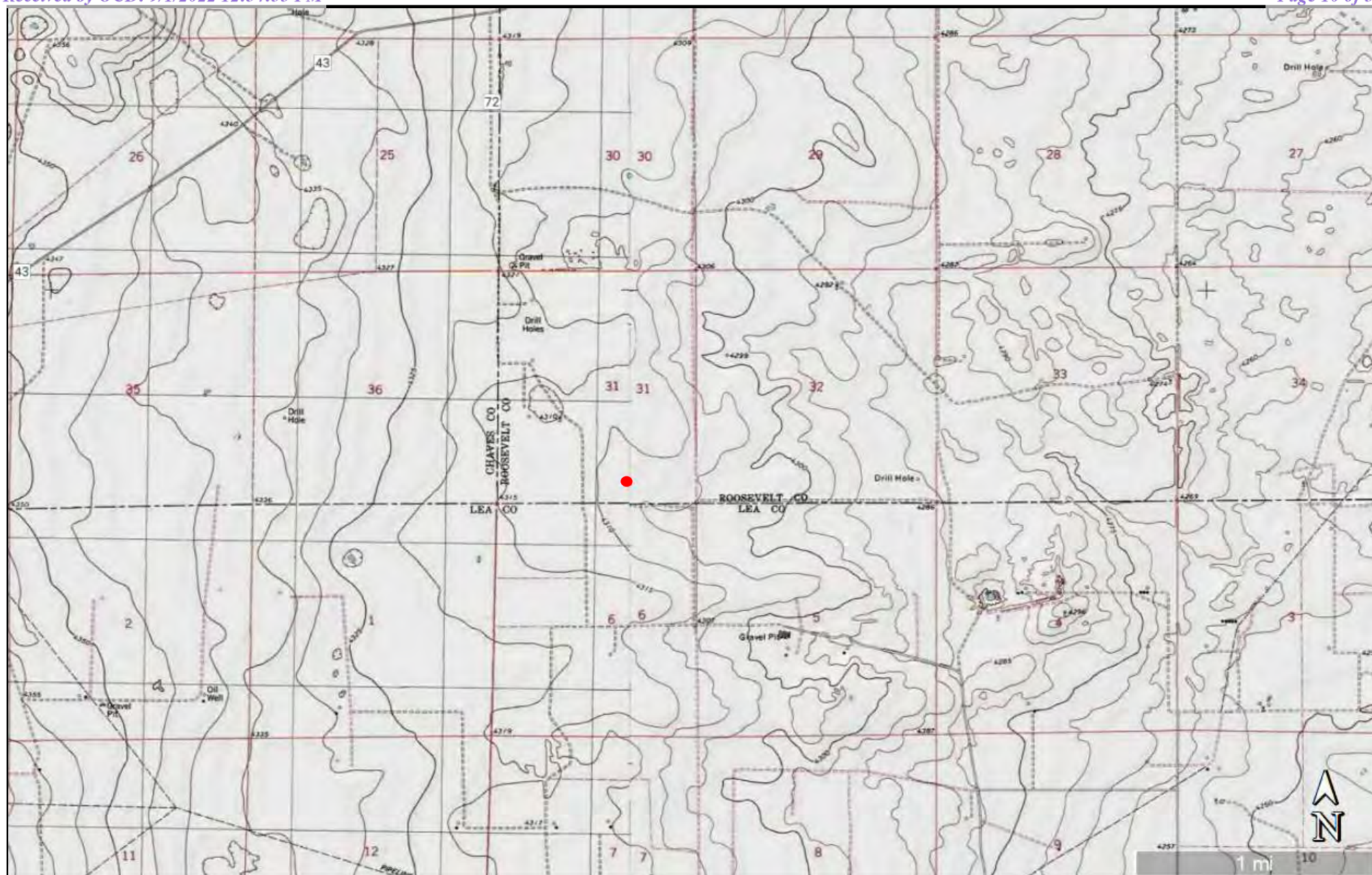
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

**Kizer Ranch**

PO Box 75  
Causey, NM 88113

## Figures



**Figure 1**

Topographic Map  
 Riley Permian  
 Montana Junction Riser  
 GPS: 33.571416, -103.500598  
 Roosevelt County

**Legend:**

● Montana Junction Riser Location

Drafted: dd  
 Checked: bw  
 Date: 6/17/22





**Figure 2**

OSE POD Locations Map  
Riley Permian  
Montana Junction Riser  
GPS: 33.571416, -103.500598  
Roosevelt County

**Legend:**

- Montana Junction Riser Location
- ✕ Watson Well - Water at ~144 feet bgs



Drafted: dd  
Checked: bw  
Date: 6/17/22



**Figure 3**

USGS Well Locations Map  
Riley Permian  
Montana Junction Riser  
GPS: 33.571416, -103.500598  
Roosevelt County

**Legend:**

- Montana Junction Riser Location
- ⛔ Watson Well - Water at ~144 feet bgs

Drafted: dd  
Checked: bw  
Date: 6/17/22





**Figure 4**

Delineation Sample Map  
Riley Permian  
Montana Junction Riser  
GPS: 33.571416, -103.500598  
Roosevelt County

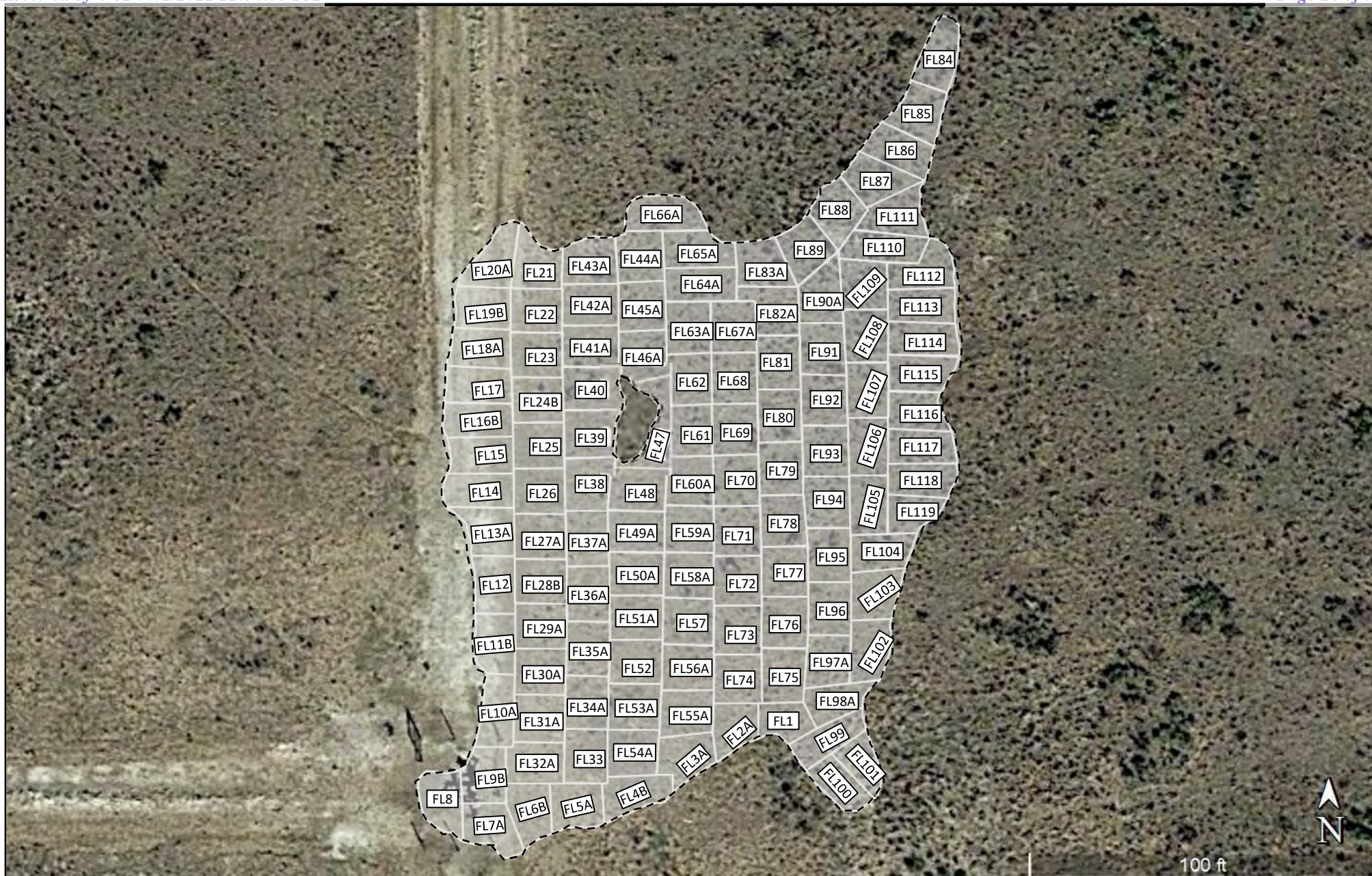
**Legend:**

- Release Area
- SP1 Delineation Sample Location
- Point of Release

Drafted: dd  
Checked: bw  
Date: 6/17/22





**Figure 5**

Excavation Closure Sample Map  
 Riley Permian  
 Montana Junction Riser  
 GPS: 33.571416, -103.500598  
 Roosevelt County

**Legend:**

- Excavated Area
- Composite Confirmation Sample Location





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 Date: 8/9/22



**Figure 6**

Sidewall Closure Sample Map  
 Riley Permian  
 Montana Junction Riser  
 GPS: 33.571416, -103.500598  
 Roosevelt County

**Legend:**

-  Excavated Area  
 Composite Confirmation Sample Location



Drafted: dd  
 Checked: bw  
 Date: 7/15/22

## **Table**



**TABLE 1**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	98.4	98.4	23.9	<b>122.3</b>	<b>28,400</b>
	6/16/22	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
	7/7/22	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
SP2	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	618	618	190	<b>808</b>	<b>34,800</b>
	7/7/22	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
SP3	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	83.2	83.2	26.2	<b>109.4</b>	<b>32,000</b>
	7/7/22	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
SP4	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	1,670	1,670	497	<b>2,167</b>	18,600
	7/7/22	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
SP5	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	192	192	50.7	<b>242.7</b>	<b>28,000</b>
	7/7/22	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP6	6/16/22	Surf	Excavated	<0.050	3.32	<100	7140	7,140	1,890	<b>9,030</b>	<b>26,000</b>
	7/7/22	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
SP7	6/16/22	Surf	Excavated	<0.050	4.86	133	16,300	16,433	5,040	<b>21,473</b>	<b>49,200</b>
	7/7/22	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SP8	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	163	163	46.4	<b>209.4</b>	<b>47,200</b>
	7/7/22	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SP9	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>32,000</b>
	7/7/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
HZ1	6/15/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	6/15/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
HZ2	6/15/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	6/15/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ3	6/15/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	6/15/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	6/15/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
	6/15/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ5	6/15/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
	6/15/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>1,000</b>	-	<b>2,500</b>	<b>20,000</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**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,300
FL2	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>22,200</b>
FL2A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
FL3	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>25,200</b>
FL3A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL4	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,800</b>
FL4A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,400</b>
FL4B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,700
FL5	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>22,400</b>
FL5A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL6	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>26,600</b>
FL6A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,400</b>
FL6B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,500
FL7	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>29,200</b>
FL7A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL8	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
FL9	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	35.9	35.9	10.1	46.0	<b>28,400</b>
FL9A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,200</b>
FL9B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL10	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	16.1	<20.0	<10.0	<30.0	<b>24,000</b>
FL10A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
FL11	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	36.8	36.8	<10.0	36.8	<b>22,400</b>
FL11A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>27,600</b>
FL11B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL12	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	29.7	29.7	12.4	42.1	18,000
FL13	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	13.3	<20.0	<10.0	<30.0	<b>26,600</b>
FL13A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL14	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
FL15	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,600
FL16	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,200</b>
FL16A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>32,800</b>
FL16B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,110
FL17	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,600
FL18	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	17.5	<20.0	<10.0	<30.0	<b>29,200</b>
FL18A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
FL19	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	15.4	<20.0	<10.0	<30.0	<b>23,200</b>
FL19A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>35,600</b>
FL19B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,050
FL20	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	13.7	<20.0	<10.0	<30.0	<b>21,600</b>
FL20A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL21	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
FL22	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,000
FL23	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,000
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>2,500</b>	<b>20,000</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**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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)
FL24	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	18.3	<20.0	<10.0	<30.0	<b>20,400</b>
FL24A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>39,200</b>
FL24B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL25	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,800
FL26	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,860
FL27	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	85.6	85.6	34.1	119.7	<b>32,800</b>
FL27A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FL28	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	23.6	23.6	<10.0	<30.0	<b>30,000</b>
FL28A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>30,400</b>
FL28B	8/10/22	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL29	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	16.9	<20.0	<10.0	<30.0	<b>27,600</b>
FL29A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240
FL30	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	14.2	<20.0	<10.0	<30.0	<b>22,000</b>
FL30A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,200
FL31	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	15.0	<20.0	<10.0	<30.0	<b>24,400</b>
FL31A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL32	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>47,600</b>
FL32A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL33	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,200
FL34	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>29,600</b>
FL34A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,000
FL35	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>30,800</b>
FL35A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,960
FL36	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	12.6	<20.0	<10.0	<30.0	<b>29,200</b>
FL39A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,930
FL37	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,000</b>
FL37A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
FL38	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	11.1	<20.0	<10.0	<30.0	18,800
FL39	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,200
FL40	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,000
FL41	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>21,600</b>
FL41A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL42	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,200</b>
FL42A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
FL43	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>29,600</b>
FL43A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,800
FL44	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>32,000</b>
FL44A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,800
FL45	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,000</b>
FL45A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL46	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	11.3	<20.0	<10.0	<30.0	<b>20,400</b>
FL46A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,930
FL47	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,000
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>2,500</b>	<b>20,000</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**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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)
FL48	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,000
FL49	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>38,800</b>
FL49A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	17,200
FL50	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>42,000</b>
FL50A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL51	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	28.5	28.5	<10.0	<30.0	<b>28,800</b>
FL51A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
FL52	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	68.7	68.7	15.8	84.5	880
FL53	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	106	106	17.7	123.7	<b>24,400</b>
FL53A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,000
FL54	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>26,400</b>
FL54A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,160
FL55	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>25,600</b>
FL55A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
FL56	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>40,400</b>
FL56A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,400
FL57	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,200
FL58	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>22,800</b>
FL58A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,600
FL59	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>28,800</b>
FL59A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
FL60	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	17.1	<20.0	<10.0	<30.0	<b>26,400</b>
FL60A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,330
FL61	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	40.7	40.7	11.5	52.2	19,000
FL62	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
FL63	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,600</b>
FL63A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL64	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>23,200</b>
FL64A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,800
FL65	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	12.6	<20.0	<10.0	<30.0	<b>24,400</b>
FL65A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,130
FL66	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>20,000</b>
FL66A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL67	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>24,000</b>
FL67A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
FL68	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
FL69	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL70	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,200
FL71	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,600
FL72	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL73	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,800
FL74	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL75	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,800
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	-	-	<b>1,000</b>	-	<b>2,500</b>	<b>20,000</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**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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)
FL76	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,600
FL77	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL78	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,200
FL79	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,800
FL80	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,800
FL81	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
FL82	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>22,200</b>
FL82A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
FL83	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>21,000</b>
FL83A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL84	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,200
FL85	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,800
FL86	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,200
FL87	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,600
FL88	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,000
FL89	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,600
FL90	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>39,200</b>
FL90A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,260
FL91	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
FL92	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
FL93	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL94	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,600
FL95	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,800
FL96	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,600
FL97	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>24,400</b>
FL97A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,800
FL98	7/15/22	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>22,400</b>
FL98A	7/29/22	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
FL99	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000
FL100	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,600
FL101	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,600
FL102	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,800
FL103	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,200
FL104	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,200
FL105	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,200
FL106	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
FL107	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,200
FL108	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL109	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL110	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,400
FL111	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
FL112	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
FL113	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,200
<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>2,500</b>	<b>20,000</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**  
**Riley Permian**  
**Montana Junction Riser**  
**NMOCD Ref. #: nAPP2216659830**

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)
FL114	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
FL115	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
FL116	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,800
FL117	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,000
FL118	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL119	7/15/22	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,800
SW1	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW2	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW3	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW4	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
SW5	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW6	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW7	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW8	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW9	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW10	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW11	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW12	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW13	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW14	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW15	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW16	7/15/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW17	7/15/22	2	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>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>2,500</b>	<b>20,000</b>

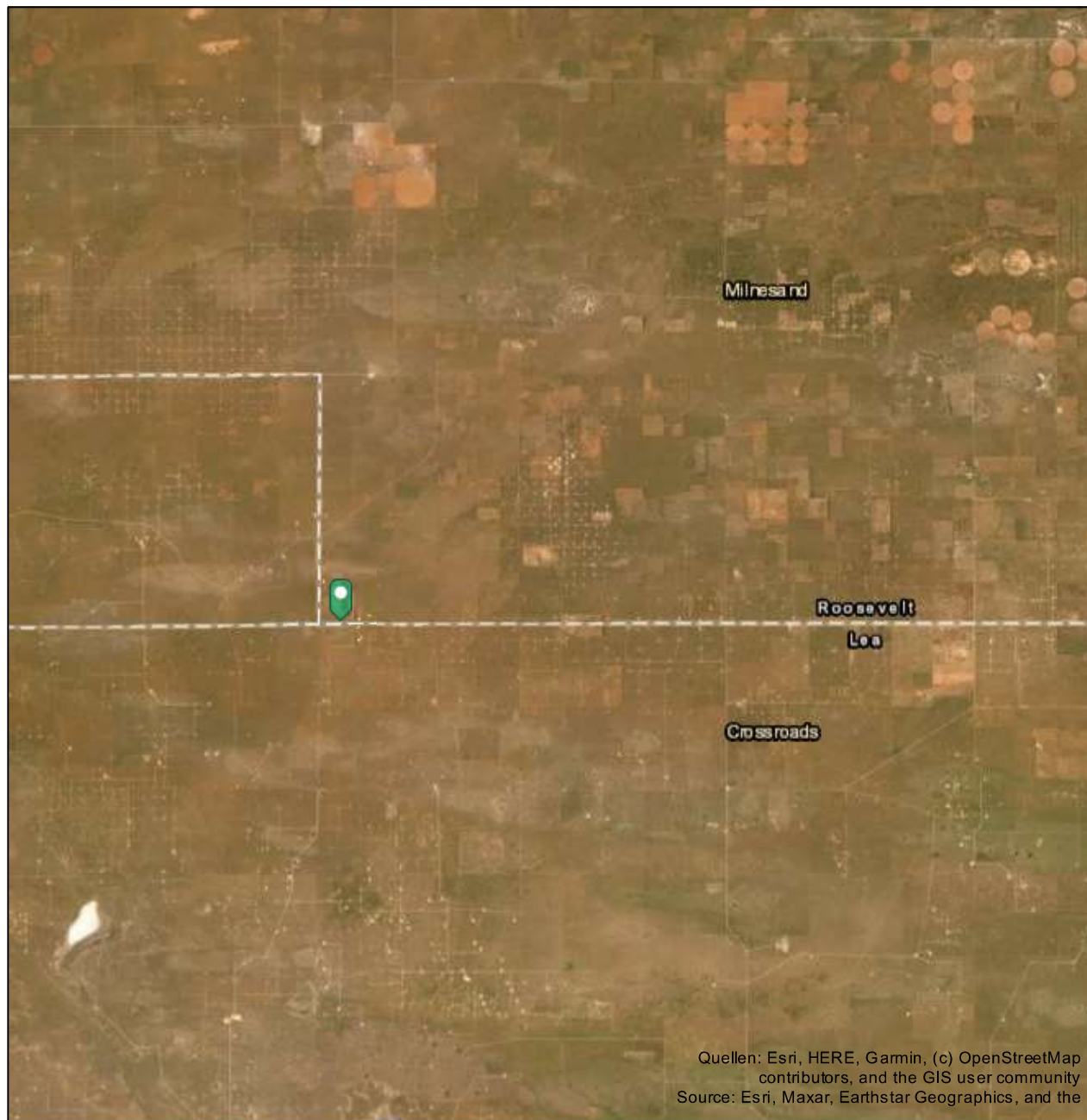
**NOTES:**

- = Sample not analyzed for that constituent.

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

## **Attachment I**

### **Karst and Wetland Maps**

**Karst springs**

● Spring with low flow discharge  $\geq 2 \text{ m}^3/\text{s}$

● Spring with low flow discharge  $< 2 \text{ m}^3/\text{s}$

● Submarine spring

● Thermal spring

□ Water abstraction structure in karst aquifer

Ω Cave systems

▲ Border between exposed and non-exposed karstifiable rocks

● Selected city, partly dependent on groundwater

— Boundary of continuous permafrost

□ Continuous ice sheet

**Karstifiable rocks (potential karst aquifer)**

■ Continuous carbonate rocks

— Discontinuous carbonate rocks

— Continuous evaporite rocks

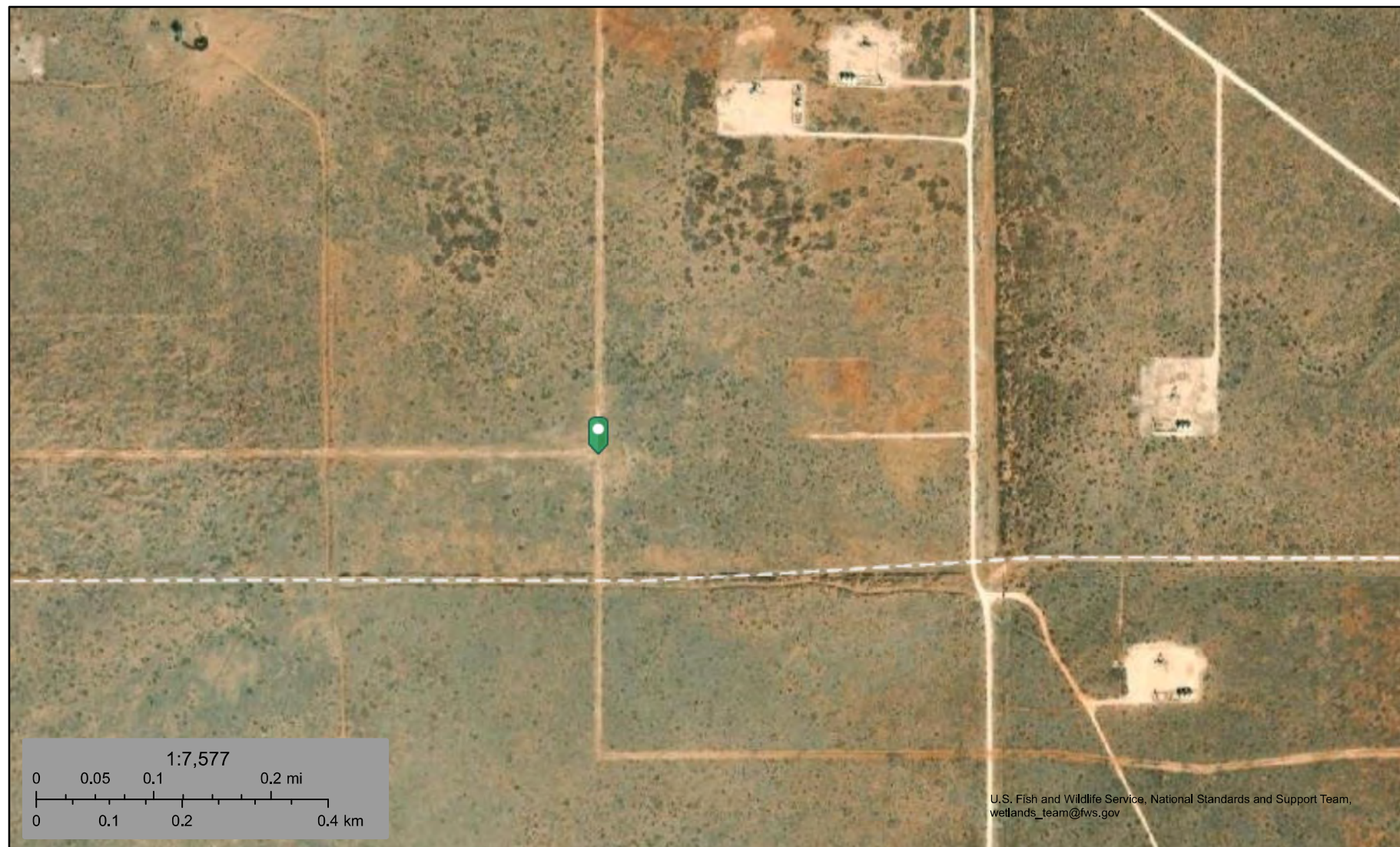
— Discontinuous evaporite rocks

— Mixed carbonate and evaporite rocks





## Wetlands



August 22, 2022

**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.

National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper

## **Attachment II NMOCD Correspondence**

## Daniel Dominguez

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Sent:** Wednesday, July 13, 2022 10:07 AM  
**To:** Daniel Dominguez  
**Cc:** Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD  
**Subject:** FW: [EXTERNAL] Closure Samples

Daniel

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>  
**Sent:** Wednesday, July 13, 2022 9:20 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>  
**Subject:** Fw: [EXTERNAL] Closure Samples

---

**From:** Daniel Dominguez <[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)>  
**Sent:** Wednesday, July 13, 2022 7:17 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)>  
**Subject:** [EXTERNAL] Closure Samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting closure samples at the Montana Junction Riser (nAPP2216659830) on Friday, July 15, 2022 at 7 am. This is our 48 hour notice.

Thank you,

Daniel Dominguez  
Environmental Manager  
Hungry Horse, LLC  
(mobile) 575-408-3134  
[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

## Daniel Dominguez

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Sent:** Wednesday, July 27, 2022 8:13 AM  
**To:** Daniel Dominguez  
**Cc:** Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD  
**Subject:** FW: [EXTERNAL] Closure Sampling

Daniel

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>  
**Sent:** Wednesday, July 27, 2022 8:04 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>  
**Subject:** Fw: [EXTERNAL] Closure Sampling

---

**From:** Daniel Dominguez <[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)>  
**Sent:** Wednesday, July 27, 2022 6:38 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)>  
**Subject:** [EXTERNAL] Closure Sampling

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting additional closure samples at the Montana Junction Riser (nAPP2216659830) on Friday, July 29, 2022 at 7 am.

This is our 48 hour notice.

Daniel Dominguez  
Environmental Manager  
Hungry Horse, LLC  
(mobile) 575-408-3134  
[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)



## Daniel Dominguez

---

**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Sent:** Monday, August 8, 2022 11:56 AM  
**To:** Daniel Dominguez  
**Cc:** Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD  
**Subject:** FW: [EXTERNAL] Closure Samples

Daniel

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>  
**Sent:** Monday, August 8, 2022 11:15 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>  
**Subject:** Fw: [EXTERNAL] Closure Samples

---

**From:** Daniel Dominguez <[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)>  
**Sent:** Monday, August 8, 2022 11:14 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)>  
**Subject:** [EXTERNAL] Closure Samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting additional closure samples at the Montana Junction Riser (nAPP2216659830) on Wednesday, August 10, 2022 at 7 am.  
This is our 48 hour notice.

Daniel Dominguez  
Environmental Manager  
Hungry Horse, LLC  
(mobile) 575-408-3134  
[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

## Daniel Dominguez

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Friday, July 1, 2022 3:17 PM  
**To:** Daniel Dominguez; Bolton, Eugene, EMNRD  
**Cc:** Hamlet, Robert, EMNRD  
**Subject:** RE: [EXTERNAL] windmill well gauge

Daniel,

Best way I can think of if it is not listed on any of the data bases is to take a geo-tagged photo of the well with your water probe in it.

Thanks,

**Mike Bratcher** • Incident Supervisor  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave | Artesia, NM 88210  
(575) 626-0857 | [mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Daniel Dominguez <dminguez@hungry-horse.com>  
**Sent:** Wednesday, June 29, 2022 9:23 AM  
**To:** Bolton, Eugene, EMNRD <Eugene.Bolton@state.nm.us>  
**Cc:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Subject:** [EXTERNAL] windmill well gauge

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Bolton,

We need to gauge a windmill approximately .41 miles from the Riley Permian Montana Junction Riser remediation location. How do we prove the depth of the well?  
The well doesn't show up on the NMOSE or USGS databases.

Respectfully,

Daniel Dominguez  
Environmental Manager  
Hungry Horse, LLC  
(mobile) 575-408-3134  
[ddominguez@hungry-horse.com](mailto:ddominguez@hungry-horse.com)

## **Attachment III Site Photographs**

## Photographs





## Photographs



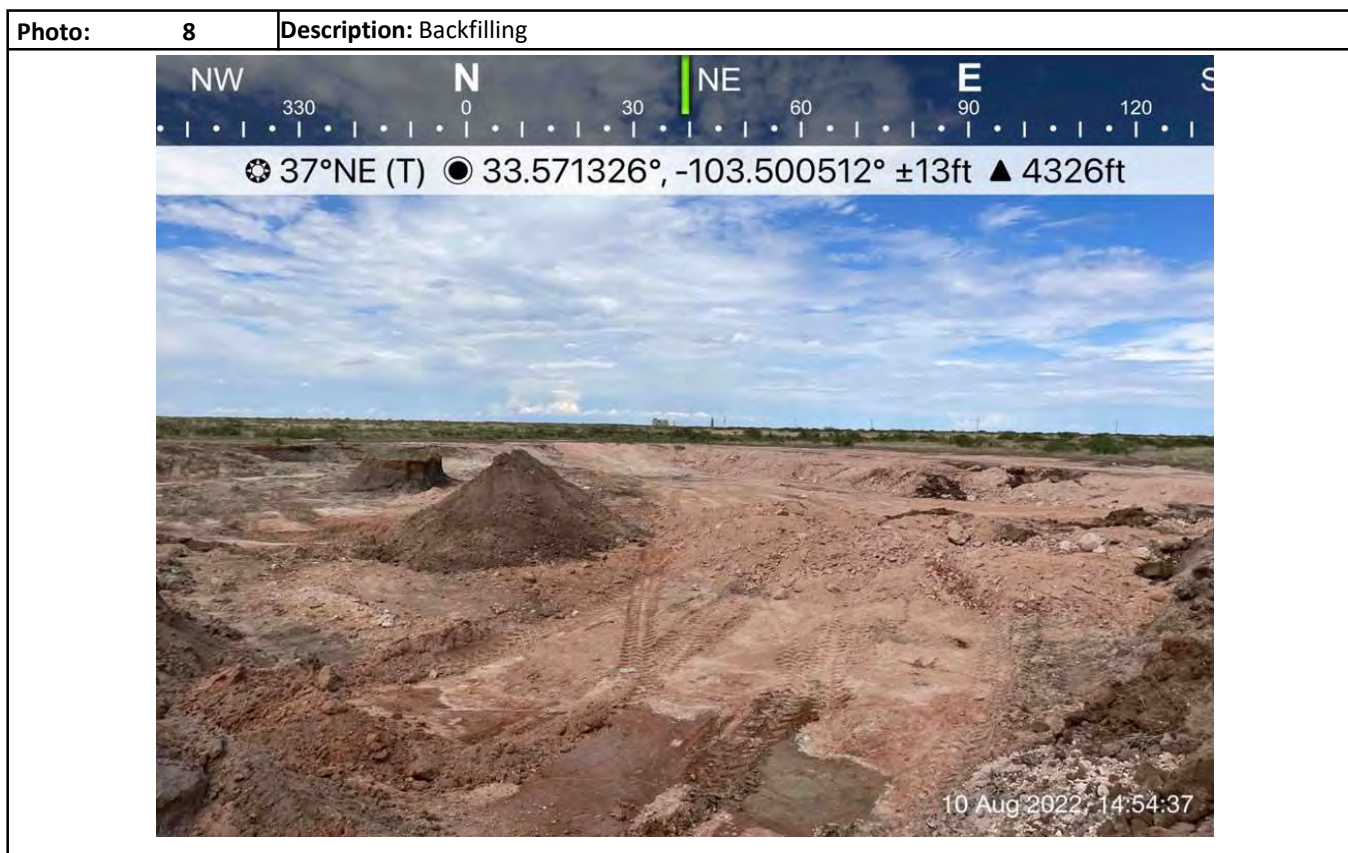


## Photographs





## Photographs



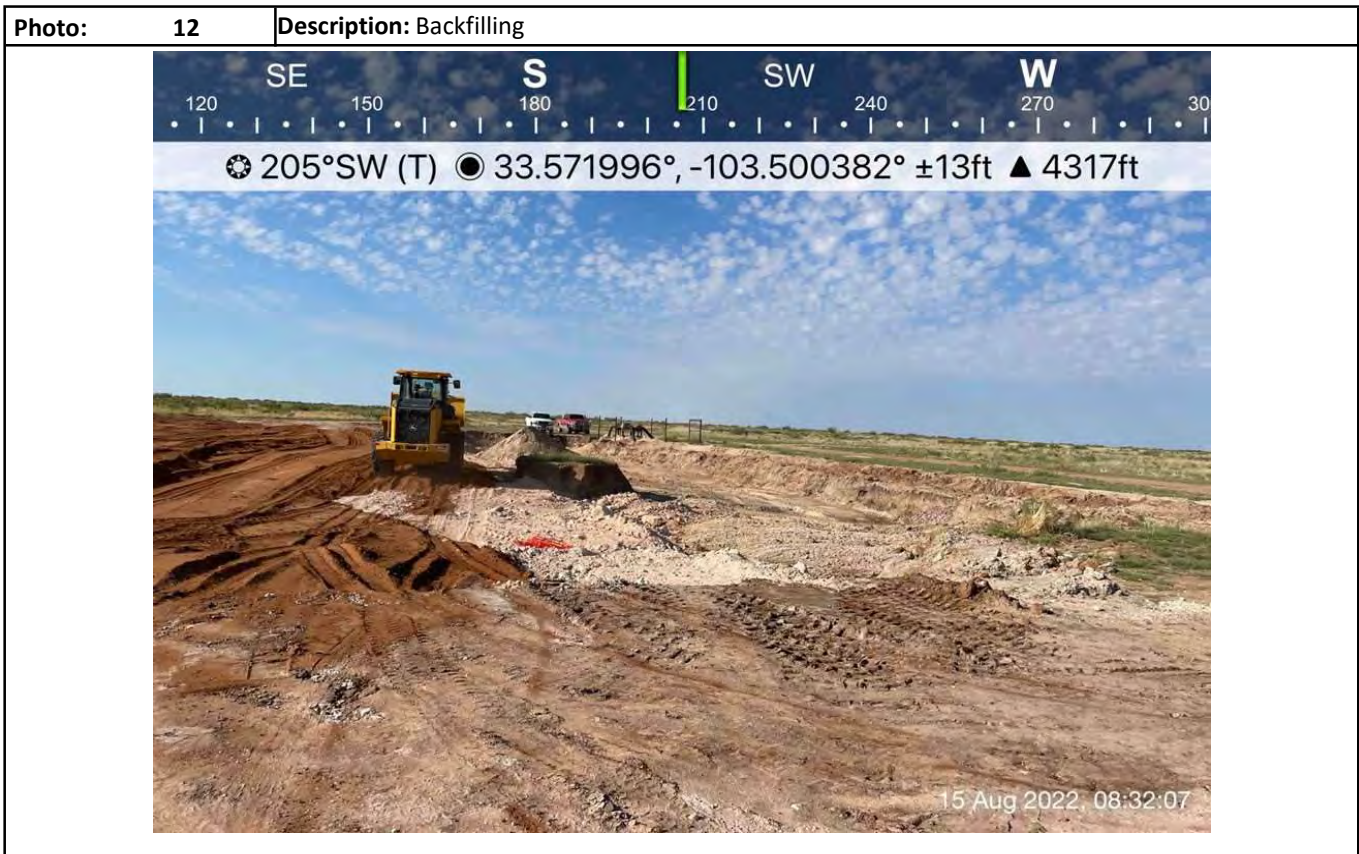
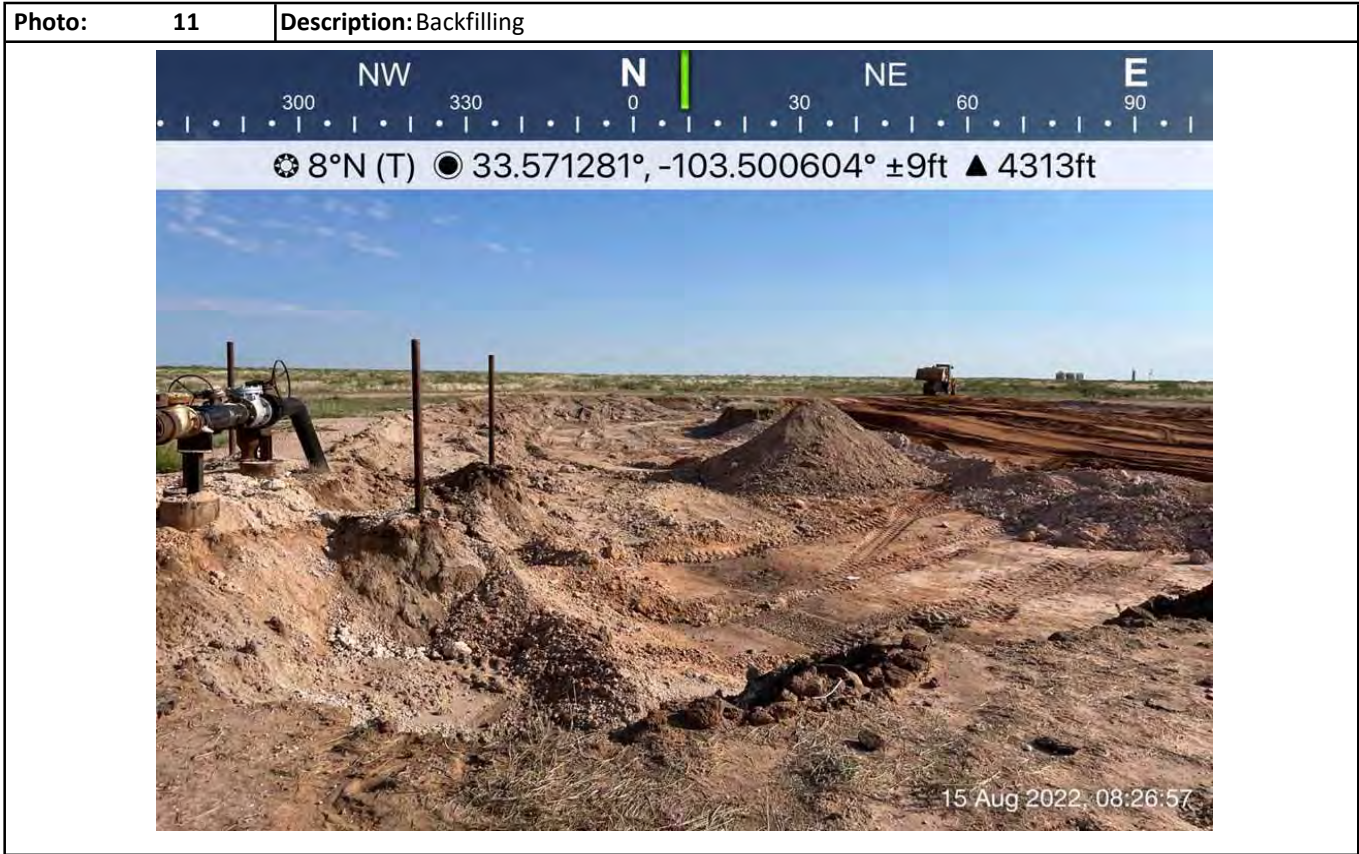


## Photographs



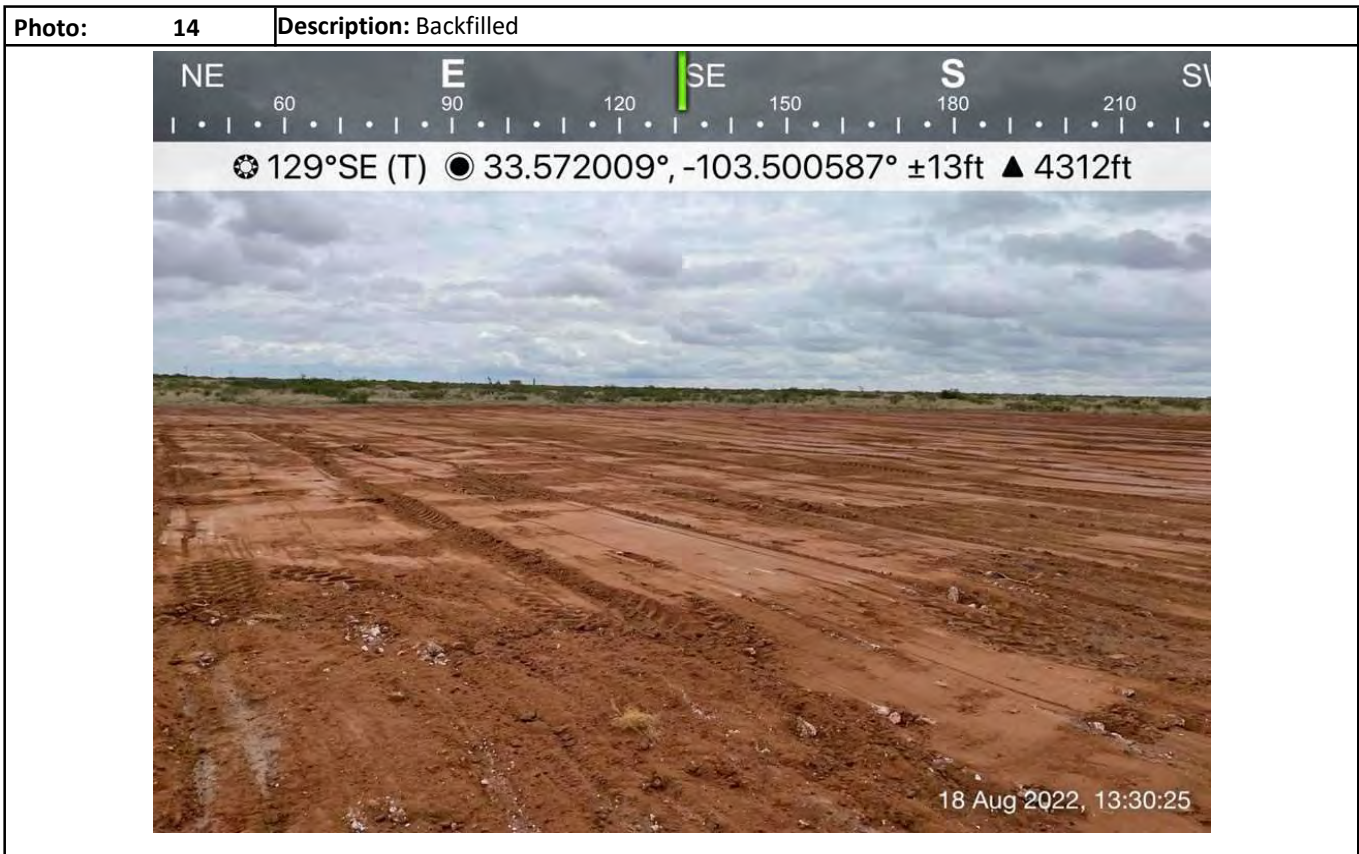
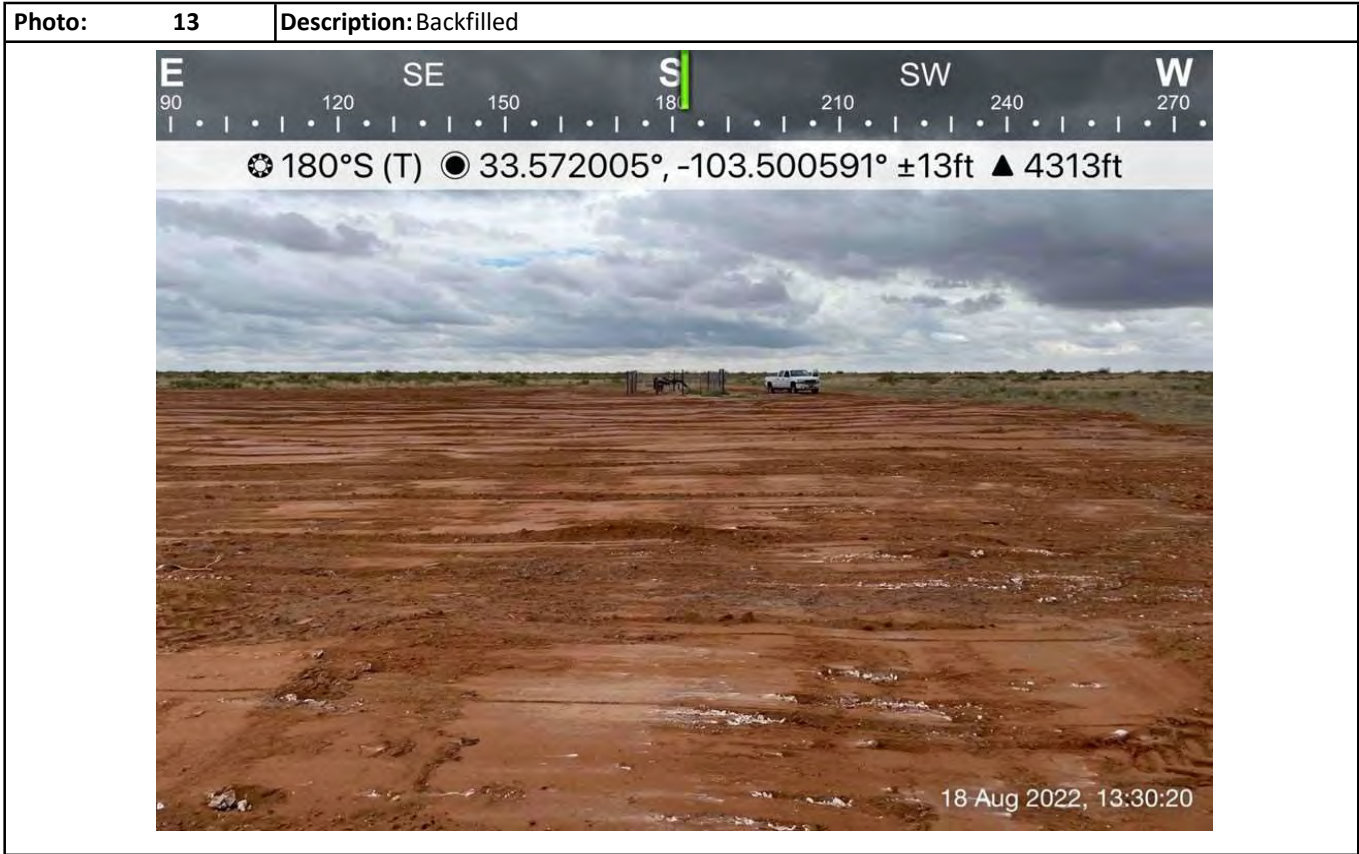


Photographs



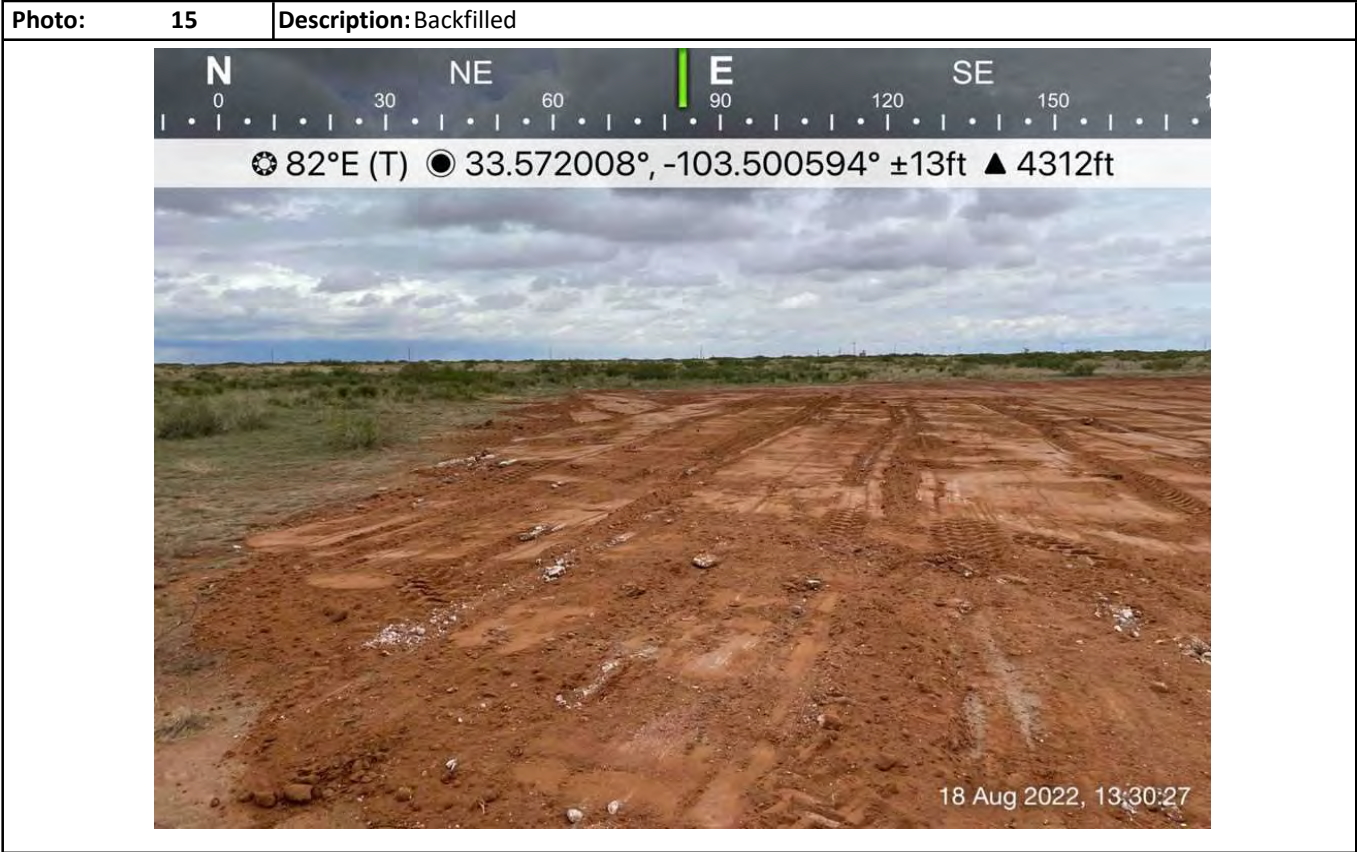


Photographs





# Photographs



## **Attachment IV**

### **Depth to Groundwater**



New Mexico Office of the State Engineer  
Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 639164.24      Northing (Y): 3715644.11      Radius: 805

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.

8/24/22 2:26 PM

WELLS WITH WELL LOG INFORMATION



## Photographs





## **Attachment V**

### **Field Data**

## Sample Log

Date: 6/15/22

Latitude: 33.571416

Longitude: -103.500598

Sampler: B. Wells

[illegible]

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

**Stockpile = Stockpile #1**

Hungry Horse, LLC

## Sample Log

Date: 6/16/22

Project: Montana Junction Riser

Latitude: 33.571416

Longitude: -103.500598

Sampler: Jorge / Bradley Wells

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1	Sur	TPH	8.0H = 3517 x 4 = 14068	lab
SP1	1'	TPH	8.6H = 4479 x 4 = 17916	
SP1	2'	TPH	8.6H = 4479 x 4 = 17916	
SP1	3'	possible	7.4H = 2705 x 4 = 10820	
SP1	4'	n/a	8.0H = 3517 x 4 = 14068	
SP1	5'	n/a	7.2H = 2492 x 4 = 9968	
SP1	6'	n/a	5.8H = 1443 x 4 = 5772	
SP1	7'	n/a	3.8 = 133 x 4 = 532	
SP1	8'	n/a	3.4 = 109 x 4 = 436	lab
SP2	Sur	TPH	8.2H = 3870 x 4 = 15480	lab
SP2	1'	TPH	8.2H = 3870 x 4 = 15480	
SP2	2'	TPH	8.6H = 4479 x 4 = 17916	
SP2	3'	TPH	8.6H = 4479 x 4 = 17916	
SP2	4'	n/a	8.6H = 4479 x 4 = 17916	
SP2	5'	n/a	8.6H = 4479 x 4 = 17916	
SP2	6'	n/a	8.0H = 3517 x 4 = 14068	
SP2	7'	n/a	7.8H = 3212 x 4 = 12848	
SP3	Sur	TPH	8.6H = 4479 x 4 = 17916	lab
SP3	1'	TPH	8.6H = 4479 x 4 = 17916	
SP3	2'	TPH	8.6H = 4479 x 4 = 17916	
SP3	3'	TPH	7.8H = 3212 x 4 = 12848	
SP3	4'	n/a	8.2H = 3870 x 4 = 15480	
SP3	5'	n/a	8.2H = 3870 x 4 = 15480	
SP3	6'	n/a	8.8H = 5341 x 4 = 21564	
SP3	7'	n/a	8.2H = 3870 x 4 = 15480	
SP4	Sur	TPH	8.0H = 3517 x 4 = 14068	lab
SP4	1'	TPH	6.8H = 2124 x 4 = 8496	
SP4	2'	TPH	2.6H = 2944 x 4 = 11776	
SP4	3'	TPH	8.2H = 3870 x 4 = 15480	
SP4	4'	n/a	7.8H = 3212 x 4 = 12848	
SP4	5'	n/a	7.8H = 3212 x 4 = 12848	
SP4	6'	n/a	7.8H = 3212 x 4 = 12848	
SP4	7'	n/a	5.8H = 1443 x 4 = 5772	

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



## Sample Log

Project: Montana Junction Riser

Latitude: 33.571416

Longitude: -103.500598

Sampler: Jorge Valeriano

**Sample Point = SP1 @ ## etc**

**Floor = FL1 etc**

**Sidewall = SW1 etc**

Horizontal = HZ1 etc

**Refusal = SP1 @ 4'-R**

### GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

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

**Stockpile = Stockpile #1**

## Sample Log

Date: 6/20/22

Latitude: 33.571416

Longitude: -103.500598

Sampler: Jorge

[illegible]

Test Trench = TT1 @ ##

**Refusal = SP1 @ 4'-R**

Resamples= SP1b @ 5' or SW #1b

### GPS Sample Points, Center of Comp Areas

**Stockpile = Stockpile #1**





## **Attachment VI**

### **Laboratory Analytical Reports**



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

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June 20, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: KIZER RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/15/22 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:	06/15/2022	Sampling Date:	06/15/2022
Reported:	06/20/2022	Sampling Type:	Soil
Project Name:	KIZER RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL/ O SEC 31 T8S - R34E		

**Sample ID: HZ1 - SURF (H222570-01)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTX	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.6 % 59.5-142

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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ1 - 1' (H222570-02)**

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	06/16/2022	ND	2.08	104	2.00	1.57		
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666		
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49		
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17		
Total BTEx	<0.300	0.300	06/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.9 % 59.5-142

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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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ2 - SURF (H222570-03)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ2 - 1' (H222570-04)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ3 - SURF (H222570-05)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.5 % 59.5-142

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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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ3 - 1' (H222570-06)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ4 - SURF (H222570-07)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.9 % 59.5-142

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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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ4 - 1' (H222570-08)**

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	06/16/2022	ND	2.08	104	2.00	1.57		
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666		
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49		
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17		
Total BTEx	<0.300	0.300	06/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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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: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ5 - SURF (H222570-09)**

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	06/16/2022	ND	2.08	104	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666	
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49	
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17	
Total BTEx	<0.300	0.300	06/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/15/2022  
 Reported: 06/20/2022  
 Project Name: KIZER RISER  
 Project Number: NOT GIVEN  
 Project Location: UL/ O SEC 31 T8S - R34E

Sampling Date: 06/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HZ5 - 1' (H222570-10)**

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	06/16/2022	ND	2.08	104	2.00	1.57		
Toluene*	<0.050	0.050	06/16/2022	ND	2.07	104	2.00	0.666		
Ethylbenzene*	<0.050	0.050	06/16/2022	ND	1.97	98.7	2.00	1.49		
Total Xylenes*	<0.150	0.150	06/16/2022	ND	6.17	103	6.00	2.17		
Total BTEx	<0.300	0.300	06/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	06/16/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2022	ND	179	89.4	200	0.586	
DRO >C10-C28*	<10.0	10.0	06/16/2022	ND	170	84.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	06/16/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.4 % 59.5-142

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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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: Daniel Dominguez		Company: Riley Permian													
Address: PO Box 1058		Attn: Ben Olszewski													
City: Hobbs		Address: 29E. Reno Ave. Suite 500													
Phone #: 575 393-3386		City: Oklahoma City													
Project #:		State: OK		Zip: 73104											
Project Name: Kizer Riser		State: NM		Phone #: 405-415-8927											
Project Location: UU/O Sec 31 T8S - R34E		Fax #:													
Sample Name: Bradley Wells		PRESERV.		SAMPLING											
FOR LAB USE ONLY		MATRIX													
Lab I.D. Sample I.D.		GROUNDWATER													
		WASTEWATER													
		SOIL													
		OIL													
		SLUDGE													
		OTHER :													
		ACID/BASE:													
		ICE / COOL													
		OTHER :													
		DATE		TIME											
1 HZ1-Surf		G 1		X		Chloride									
2 HZ1-1'		G 1		X		TPH									
3 HZ2-Surf		G 1		X		BTEX 8021									
4 HZ2-1'		G 1		X											
5 HZ3-Surf		G 1		X											
6 HZ3-1'		G 1		X											
7 HZ4-Surf		G 1		X											
8 HZ4-1'		G 1		X											
9 HZ5-Surf		G 1		X											
10 HZ5-1'		G 1		X											
Relinquished By: [Signature]		Date: 6-15-22		Received By: [Signature]		REMARKS:									
Relinquished By: [Signature]		Date: 6-15-22		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:									
Delivered By: (Circle One) 1.6e 2-0.5e		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) [Signature]		Email results to: pm@hungry-horse.com									
Sampler - UPS - Bus - Other: 1.1e #113		<input type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]		benolszewski@rileypermian.com									

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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June 21, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/16/22 16:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	06/16/2022	Sampling Date:	06/16/2022
Reported:	06/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SP 1 - SURF (H222583-01)**

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	06/17/2022	ND	2.03	102	2.00	2.58	
<b>Toluene*</b>	<b>0.091</b>	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEX	<0.300	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28400	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	98.4	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	23.9	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 1 - 8' (H222583-02)**

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	06/17/2022	ND	2.03	102	2.00	2.58		
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71		
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77		
Total BTEx	<0.300	0.300	06/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	<10.0	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/16/2022	Sampling Date:	06/16/2022
Reported:	06/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SP 2 - SURF (H222583-03)**

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	06/17/2022	ND	2.03	102	2.00	2.58	
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEx	<0.300	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34800	16.0	06/17/2022	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	06/20/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	618	10.0	06/20/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	190	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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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: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 3 - SURF (H222583-04)**

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	06/17/2022	ND	2.03	102	2.00	2.58	
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEx	<0.300	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	83.2	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	26.2	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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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: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 4 - SURF (H222583-05)**

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	06/17/2022	ND	2.03	102	2.00	2.58	
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	0.090	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	0.195	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEx	<0.300	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18600	16.0	06/17/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	1670	10.0	06/20/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	497	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 149 % 59.5-142

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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: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 5 - SURF (H222583-06)**

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	06/17/2022	ND	2.03	102	2.00	2.58		
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71		
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77		
Total BTEx	<0.300	0.300	06/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28000	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	192	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	50.7	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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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: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 6 - SURF (H222583-07)**

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	06/17/2022	ND	2.03	102	2.00	2.58	
Toluene*	0.349	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	0.919	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	2.05	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEX	3.32	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26000	16.0	06/17/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	06/17/2022	ND	195	97.4	200	1.54		
DRO >C10-C28*	7140	100	06/17/2022	ND	201	100	200	1.38		
EXT DRO >C28-C36	1890	100	06/17/2022	ND						

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 333 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 7 - SURF (H222583-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.890</b>	0.050	06/17/2022	ND	2.03	102	2.00	2.58	
<b>Toluene*</b>	<b>0.969</b>	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
<b>Ethylbenzene*</b>	<b>1.37</b>	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
<b>Total Xylenes*</b>	<b>1.63</b>	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
<b>Total BTEX</b>	<b>4.86</b>	0.300	06/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>49200</b>	16.0	06/17/2022	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
<b>GRO C6-C10*</b>	<b>133</b>	100	06/17/2022	ND	195	97.4	200	1.54	
<b>DRO &gt;C10-C28*</b>	<b>16300</b>	100	06/17/2022	ND	201	100	200	1.38	
<b>EXT DRO &gt;C28-C36</b>	<b>5040</b>	100	06/17/2022	ND					

Surrogate: 1-Chlorooctane 150 % 66.9-136

Surrogate: 1-Chlorooctadecane 854 % 59.5-142

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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:	06/16/2022	Sampling Date:	06/16/2022
Reported:	06/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SP 8 - SURF (H222583-09)**

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	06/17/2022	ND	2.03	102	2.00	2.58		
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71		
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77		
Total BTEx	<0.300	0.300	06/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	47200	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	163	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	46.4	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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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: 06/16/2022  
 Reported: 06/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 06/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 9 - SURF (H222583-10)**

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	06/17/2022	ND	2.03	102	2.00	2.58		
Toluene*	<0.050	0.050	06/17/2022	ND	2.04	102	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71		
Total Xylenes*	<0.150	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77		
Total BTEx	<0.300	0.300	06/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32000	16.0	06/17/2022	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	06/17/2022	ND	195	97.4	200	1.54	
DRO >C10-C28*	<10.0	10.0	06/17/2022	ND	201	100	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	06/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST																					
Project Manager: Daniel Dominguez		City: Hobbs		State: NM		Zip: 88241		Company: Riley Permian																											
Address: PO Box 1058		Phone #: 575 393-3386		Fax #:		Project Owner: Riley Permian		City: Oklahoma City		State: OK		Zip: 73104																							
Project Name: Montana Junction Riser		Project Location: UL/O Sec 31 T8S - R34E		Phone #: 405-415-8927		Fax #:																													
Sampler Name: Bradley Wells		FOR LAB USE ONLY		Matrix		PRESERV.		SAMPLING																											
Lab I.D. Sample I.D.		SP1-Surf		G 1		X		6/16/22		X		X																							
1		SP1-8'		G 1		X		6/16/22		X		X																							
2		SP2-Surf		G 1		X		6/16/22		X		X																							
3		SP3-Surf		G 1		X		6/16/22		X		X																							
4		SP4-Surf		G 1		X		6/16/22		X		X																							
5		SP5-Surf		G 1		X		6/16/22		X		X																							
6		SP6-Surf		G 1		X		6/16/22		X		X																							
7		SP7-Surf		G 1		X		6/16/22		X		X																							
8		SP8-Surf		G 1		X		6/16/22		X		X																							
9		SP9-Surf		G 1		X		6/16/22		X		X																							
10		SP9-Surf		G 1		X		6/16/22		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. 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: 6/16/22		Time: 11:13		Received By: [Signature]		Date: 6/16/22		Time:																							
Relinquished By: [Signature]		Date: 6/16/22		Time: 11:13		Received By: [Signature]		Date: 6/16/22		Time:																									
Delivered By: (Circle One) 2. [Signature]		Sample Condition		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Checked By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Add'l Fax #:																					
Sampler - UPS - Bus - Other: 2. [Signature]		Sample Condition		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Checked By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Add'l Fax #:																					
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Sample Condition		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Checked By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Add'l Fax #:																					



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

---

July 12, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/07/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/12/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SP 1 - 9' (H222928-01)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTEX	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 60.0 % 43-149

Surrogate: 1-Chlorooctadecane 72.7 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 2 - 10' (H222928-02)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTEx	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 3 - 10' (H222928-03)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTEx	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 82.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.9 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 4 - 9' (H222928-04)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTEx	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 82.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 5 - 9' (H222928-05)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTX	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 79.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 6 - 10' (H222928-06)**

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	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTEx	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 66.7 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 7 - 10' (H222928-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/11/2022	ND	2.08	104	2.00	9.76		
Toluene*	<0.050	0.050	07/11/2022	ND	2.12	106	2.00	11.5		
Ethylbenzene*	<0.050	0.050	07/11/2022	ND	2.20	110	2.00	14.6		
Total Xylenes*	<0.150	0.150	07/11/2022	ND	6.54	109	6.00	13.1		
Total BTX	<0.300	0.300	07/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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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: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 8 - 10' (H222928-08)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 43-149

Surrogate: 1-Chlorooctadecane 90.4 % 42.5-161

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**Analytical Results For:**

Hungry Horse Environmental  
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 P.O. Box 1058  
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 Fax To: (505) 391-4585

Received: 07/07/2022  
 Reported: 07/12/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP 9 - 4' (H222928-09)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.562	
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15	
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87	
Total BTX	<0.300	0.300	07/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/11/2022	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	07/11/2022	ND	219	109	200	0.751	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	216	108	200	0.509	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 21, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 1 (H223110-01)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18300	16.0	07/19/2022	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 49.7 % 43-149

Surrogate: 1-Chlorooctadecane 54.1 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 2 (H223110-02)**

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	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	07/19/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 61.4 % 43-149

Surrogate: 1-Chlorooctadecane 66.1 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 3 (H223110-03)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25200	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 59.5 % 43-149

Surrogate: 1-Chlorooctadecane 63.4 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 4 (H223110-04)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 56.5 % 43-149

Surrogate: 1-Chlorooctadecane 60.4 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 5 (H223110-05)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 46.9 % 43-149

Surrogate: 1-Chlorooctadecane 50.4 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 6 (H223110-06)**

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	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 56.9 % 43-149

Surrogate: 1-Chlorooctadecane 60.0 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 7 (H223110-07)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	29200	16.0	07/19/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 46.4 % 43-149

Surrogate: 1-Chlorooctadecane 48.3 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 8 (H223110-08)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	07/19/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 64.1 % 43-149

Surrogate: 1-Chlorooctadecane 68.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 9 (H223110-09)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	35.9	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	10.1	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 60.7 % 43-149

Surrogate: 1-Chlorooctadecane 66.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 10 (H223110-10)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24000	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	16.1	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 53.3 % 43-149

Surrogate: 1-Chlorooctadecane 57.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 11 (H223110-11)**

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	36.8	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 58.6 % 43-149

Surrogate: 1-Chlorooctadecane 63.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 12 (H223110-12)**

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	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	29.7	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	12.4	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 13 (H223110-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	13.3	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 43-149

Surrogate: 1-Chlorooctadecane 87.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 14 (H223110-14)**

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	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.2 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 15 (H223110-15)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68	
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 16 (H223110-16)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 66.8 % 43-149

Surrogate: 1-Chlorooctadecane 69.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 17 (H223110-17)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 57.0 % 43-149

Surrogate: 1-Chlorooctadecane 55.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 18 (H223110-18)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29200	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	17.5	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 43-149

Surrogate: 1-Chlorooctadecane 68.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 19 (H223110-19)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	15.4	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 61.5 % 43-149

Surrogate: 1-Chlorooctadecane 61.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 20 (H223110-20)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	13.7	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 62.0 % 43-149

Surrogate: 1-Chlorooctadecane 61.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 21 (H223110-21)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 52.6 % 43-149

Surrogate: 1-Chlorooctadecane 52.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 22 (H223110-22)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7000	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 43-149

Surrogate: 1-Chlorooctadecane 76.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 23 (H223110-23)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 81.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 24 (H223110-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2022	ND	2.00	99.9	2.00	1.68	
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	18.3	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 60.3 % 43-149

Surrogate: 1-Chlorooctadecane 61.3 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 25 (H223110-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 43-149

Surrogate: 1-Chlorooctadecane 72.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 26 (H223110-26)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 43-149

Surrogate: 1-Chlorooctadecane 66.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 27 (H223110-27)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68	
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	203	101	200	0.543	
DRO >C10-C28*	85.6	10.0	07/20/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	34.1	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 43-149

Surrogate: 1-Chlorooctadecane 88.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 28 (H223110-28)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2022	ND	2.00	99.9	2.00	1.68	
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30000	16.0	07/19/2022	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	23.6	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 58.3 % 43-149

Surrogate: 1-Chlorooctadecane 57.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 29 (H223110-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27600	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	16.9	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 68.9 % 43-149

Surrogate: 1-Chlorooctadecane 70.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 30 (H223110-30)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22000	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	14.2	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 72.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 31 (H223110-31)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	0.543	
DRO >C10-C28*	15.0	10.0	07/19/2022	ND	186	93.0	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 32 (H223110-32)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	47600	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 60.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.7 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 33 (H223110-33)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19200	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 52.0 % 43-149

Surrogate: 1-Chlorooctadecane 57.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 34 (H223110-34)**

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	07/19/2022	ND	2.00	99.9	2.00	1.68		
Toluene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.11	106	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.62	110	6.00	2.75		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29600	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 46.0 % 43-149

Surrogate: 1-Chlorooctadecane 52.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 35 (H223110-35)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1	
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30800	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 49.9 % 43-149

Surrogate: 1-Chlorooctadecane 59.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 36 (H223110-36)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29200	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	12.6	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 93.4 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 37 (H223110-37)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1	
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0	
Total BTX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20000	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 91.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 38 (H223110-38)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	11.1	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 39 (H223110-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 43-149

Surrogate: 1-Chlorooctadecane 95.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 40 (H223110-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 41 (H223110-41)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.4 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 42 (H223110-42)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 59.5 % 43-149

Surrogate: 1-Chlorooctadecane 68.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 43 (H223110-43)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29600	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 44 (H223110-44)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 48.2 % 43-149

Surrogate: 1-Chlorooctadecane 52.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 45 (H223110-45)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	07/19/2022	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	07/20/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 43-149

Surrogate: 1-Chlorooctadecane 70.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 46 (H223110-46)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	11.3	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 51.1 % 43-149

Surrogate: 1-Chlorooctadecane 56.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 47 (H223110-47)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	07/19/2022	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	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 48.9 % 43-149

Surrogate: 1-Chlorooctadecane 54.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 48 (H223110-48)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14000	16.0	07/19/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 53.6 % 43-149

Surrogate: 1-Chlorooctadecane 60.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 49 (H223110-49)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	38800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 60.4 % 43-149

Surrogate: 1-Chlorooctadecane 66.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 50 (H223110-50)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42000	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	203	101	200	2.86	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	206	103	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 51 (H223110-51)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	28.5	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 43-149

Surrogate: 1-Chlorooctadecane 82.4 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 52 (H223110-52)**

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	68.7	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	15.8	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 53 (H223110-53)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	106	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	17.7	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 54 (H223110-54)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 43-149

Surrogate: 1-Chlorooctadecane 76.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 55 (H223110-55)**

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	07/20/2022	ND	1.78	88.9	2.00	12.1		
Toluene*	<0.050	0.050	07/20/2022	ND	1.94	97.0	2.00	13.0		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.89	94.3	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	5.87	97.8	6.00	13.0		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25600	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 85.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 56 (H223110-56)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	40400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 43-149

Surrogate: 1-Chlorooctadecane 87.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 57 (H223110-57)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19200	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 60.4 % 43-149

Surrogate: 1-Chlorooctadecane 68.6 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 58 (H223110-58)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 59 (H223110-59)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28800	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 79.3 % 42.5-161

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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 60 (H223110-60)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26400	16.0	07/19/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	17.1	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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

---

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC																					
Address: PO Box 1058		Attn: Daniel Dominguez																					
City: Hobbs		Address: PO Box 1058																					
Phone #: 575 393-3386		City: Hobbs																					
Project #:		State: NM																					
Project Name: Montana Junction Riser		Zip: 88241																					
Project Location: UL/ O Sec 31 T8S - R34E		State: NM																					
Sample Name: Bradley Wells		Phone #: 575 393-3386																					
FOR LAB USE ONLY		Fax #:																					
Lab I.D. Sample I.D.		Matrix																					
H223110		PRESERV.																					
1 FL1		SAMPLING																					
2 FL2		DATE																					
3 FL3		TIME																					
4 FL4		Chloride																					
5 FL5		TPH																					
6 FL6		BTEX 8021																					
7 FL7																							
8 FL8																							
9 FL9																							
10 FL10																							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By: Eli Dominguez		Date: 7/18/22																					
Relinquished By:		Received By:																					
Delivered By: (Circle One) -1.3c) C-0.6c		Sample Condition																					
Sampler - UPS - Bus - Other: -1.9c #113		Cool Intact																					
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																					
		Checked BY:																					
		Remarks:																					
		Email results to: pm@hungry-horse.com																					
		benolszewski@rileypermian.com																					





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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:		Hungry Horse LLC																			
Address: PO Box 1058		Attn: Daniel Dominguez																					
City: Hobbs		Address: PO Box 1058																					
Phone #: 575 393-3386		City: Hobbs																					
Project #:		State: NM																					
Project Name: Montana Junction Riser		Zip: 88241																					
Project Location: U/I O Sec 31 T8S - R34E		State: NM																					
Sample Name: Bradley Wells		Phone #: 575 393-3386																					
FOR LAB USE ONLY		Fax #:																					
Lab I.D. Sample I.D.		Matrix																					
H3383716		PRESERV.																					
21		SAMPLING																					
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23		TIME																					
24		Chloride																					
25		TPH																					
26		BTEX 8021																					
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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## 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: Hungry Horse LLC																																											
Address: PO Box 1058		Attn: Daniel Dominguez																																											
City: Hobbs	State: NM	Zip: 88241																																											
Phone #: 575 393-3386	Fax #:	Address: PO Box 1058																																											
Project #:	Project Owner: Riley Permian	City: Hobbs																																											
Project Name: Montana Junction Riser		State: NM	Zip: 88241																																										
Project Location: UL/O Sec 31 T8S - R34E		Phone #: 575 393-3386																																											
Sampler Name: Bradley Wells		Fax #:																																											
FOR LAB USE ONLY																																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
H223110		51		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
52		FL52		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
53		FL53		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
54		FL54		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
55		FL55		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
56		FL56		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
57		FL57		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
58		FL58		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
59		FL59		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
60		FL60		C 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X													
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Relinquished By:		Date:		Time: 2:34		Received By:																																							
Delivered By: (Circle One)		-1.32		C.O.L.C.		Sample Condition																																							
Sampler - UPS - Bus - Other:		-1.92		#113		Cool Intact																																							
						Yes Yes																																							
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						CHECKED BY: (Initials)																																							
						V.O.																																							
REMARKS:															Phone Result: Yes No Add'l Phone #:																														
															Fax Result: Yes No Add'l Fax #:																														
Email results to: pm@hungry-horse.com																																													
benolszewski@rileypermian.com																																													





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

July 21, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 14:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 61 (H223111-01)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19000	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	40.7	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	11.5	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 62 (H223111-02)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 63 (H223111-03)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23600	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 64 (H223111-04)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 65 (H223111-05)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	12.6	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 66 (H223111-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20000	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 67 (H223111-07)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24000	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 68 (H223111-08)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 67.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 69 (H223111-09)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 70 (H223111-10)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 43-149

Surrogate: 1-Chlorooctadecane 95.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 71 (H223111-11)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	07/20/2022	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	07/20/2022	ND	189	94.5	200	6.65	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	202	101	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.2 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 72 (H223111-12)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 73 (H223111-13)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13800	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 74 (H223111-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	07/20/2022	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 93.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 75 (H223111-15)**

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	07/20/2022	ND	1.85	92.3	2.00	6.58		
Toluene*	<0.050	0.050	07/20/2022	ND	2.03	102	2.00	6.62		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.98	99.1	2.00	5.11		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.18	103	6.00	4.60		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 95.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 76 (H223111-16)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 77 (H223111-17)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 78 (H223111-18)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 79 (H223111-19)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11800	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 80 (H223111-20)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13800	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 43-149

Surrogate: 1-Chlorooctadecane 86.3 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 81 (H223111-21)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 82 (H223111-22)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22200	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19		
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807		
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND						

Surrogate: 1-Chlorooctane 76.6 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 83 (H223111-23)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21000	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 84 (H223111-24)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18200	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 85 (H223111-25)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2022	ND	2.12	106	2.00	0.438	
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 43-149

Surrogate: 1-Chlorooctadecane 81.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 86 (H223111-26)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14200	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 87 (H223111-27)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 88 (H223111-28)**

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	07/19/2022	ND	2.12	106	2.00	0.438		
Toluene*	<0.050	0.050	07/19/2022	ND	2.20	110	2.00	0.781		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.26	113	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.95	116	6.00	0.153		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 89 (H223111-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18600	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 78.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 90 (H223111-30)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	39200	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 79.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 91 (H223111-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	07/20/2022	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	07/19/2022	ND	190	95.1	200	2.19	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	207	104	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 92 (H223111-32)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	07/20/2022	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	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 93 (H223111-33)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	07/20/2022	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	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 94 (H223111-34)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	07/20/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 95 (H223111-35)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 73.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 96 (H223111-36)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14600	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 97 (H223111-37)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 43-149

Surrogate: 1-Chlorooctadecane 78.3 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 98 (H223111-38)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22400	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 99 (H223111-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 100 (H223111-40)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 101 (H223111-41)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18600	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 102 (H223111-42)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7800	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 78.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 103 (H223111-43)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10200	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 78.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 104 (H223111-44)**

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	07/19/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/19/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.15	103	6.00	8.53		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8200	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 105 (H223111-45)**

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	07/20/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 43-149

Surrogate: 1-Chlorooctadecane 66.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 106 (H223111-46)**

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	07/20/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 70.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 107 (H223111-47)**

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	07/20/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16200	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 75.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 108 (H223111-48)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.5	2.00	9.31	
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53	
Total BTX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 43-149

Surrogate: 1-Chlorooctadecane 79.6 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 109 (H223111-49)**

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	07/20/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 67.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 110 (H223111-50)**

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	07/20/2022	ND	1.91	95.5	2.00	9.31		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13400	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 111 (H223111-51)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.5	2.00	9.31	
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.7	2.00	9.40	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.00	99.8	2.00	9.13	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.15	103	6.00	8.53	
Total BTX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	213	106	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	222	111	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 112 (H223111-52)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 113 (H223111-53)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10200	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 43-149

Surrogate: 1-Chlorooctadecane 86.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 114 (H223111-54)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	07/20/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 115 (H223111-55)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	07/20/2022	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	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 116 (H223111-56)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	07/20/2022	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	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 117 (H223111-57)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	07/20/2022	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	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 118 (H223111-58)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	07/20/2022	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	07/19/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 43-149

Surrogate: 1-Chlorooctadecane 75.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 119 (H223111-59)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC													
Address: PO Box 1058		Attn: Daniel Dominguez													
City: Hobbs	State: NM	Zip: 88241	Address: PO Box 1058												
Phone #: 575 393-3386	Fax #:	City: Hobbs		State: NM	Zip: 88241										
Project #:	Project Owner: Riley Permian	City: Hobbs		State: NM	Zip: 88241										
Project Name: Montana Junction Riser	City: Hobbs		State: NM	Zip: 88241											
Project Location: UL/O Sec 31 T8S - R34E	City: Hobbs		State: NM	Zip: 88241											
Sampler Name: Bradley Wells	City: Hobbs		State: NM	Zip: 88241											
FOR LAB USE ONLY		P.O. #:		FAX #:											
Lab I.D. Sample I.D.		P.O. #:		FAX #:											
H22311		P.O. #:		FAX #:											
1 FL61		P.O. #:		FAX #:											
2 FL62		P.O. #:		FAX #:											
3 FL63		P.O. #:		FAX #:											
4 FL64		P.O. #:		FAX #:											
5 FL65		P.O. #:		FAX #:											
6 FL66		P.O. #:		FAX #:											
7 FL67		P.O. #:		FAX #:											
8 FL68		P.O. #:		FAX #:											
9 FL69		P.O. #:		FAX #:											
10 FL70		P.O. #:		FAX #:											
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Relinquished By: [Signature]		DATE: 7/15/22		RECEIVED BY: [Signature]											
Reinquired By: [Signature]		DATE: 7/15/22		RECEIVED BY: [Signature]											
Delivered By: (Circle One) -1.3e C-D.6e		Sample Condition		CHECKED BY: (Initials)											
Sampler - UPS - Bus - Other: -1.9e #113		Cool Intact		Yes No											
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Yes No		Yes No											
REMARKS:		Phone Result: Yes No		Add'l Phone #:											
Email results to: pm@hungry-horse.com		Fax Result: Yes No		Add'l Fax #:											
benolszewski@rileypermian.com															





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: Hungry Horse LLC																										
Address: PO Box 1058							Attn: Daniel Dominguez																										
City: Hobbs				State: NM			Zip: 88241			Address: PO Box 1058																							
Phone #: 575 393-3386				Fax #:			City: Hobbs																										
Project #:				Project Owner: Riley Permian			State: NM						Zip: 88241																				
Project Name: Montana Junction Riser							Phone #: 575 393-3386																										
Project Location: U/L O Sec 31 T8S - R34E							Fax #:																										
Sampler Name: Bradley Wells							PRESERV.						SAMPLING																				
FOR LAB USE ONLY							MATRIX																										
Lab I.D. Sample I.D.							(G)RAB OR (C)OMP.																										
							# CONTAINERS																										
HZZ3111							GROUNDWATER																										
							WASTEWATER																										
11 FL71							SOIL																										
							OIL																										
12 FL72							SLUDGE																										
							OTHER :																										
13 FL73							ACID/BASE:																										
							ICE / COOL																										
14 FL74							DATE																										
							TIME																										
15 FL75							Chloride																										
							TPH																										
16 FL76							BTEx 8021																										
17 FL77																																	
18 FL78																																	
19 FL79																																	
20 FL80																																	
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Relinquished By: [Signature]							Date: 7/15/22						Received By: [Signature]																				
Relinquished By: [Signature]							Time: 2:35						Received By: [Signature]																				
Delivered By: (Circle One)							Sample Condition						CHECKED BY: (Initials)																				
Sampler - UPS - Bus - Other: [X] Yes [ ] No							Cool Intact [ ] Yes [X] No																										
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																																	





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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. #: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST									
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC													
Address: PO Box 1058		Attn: Daniel Dominguez													
City: Hobbs	State: NM	Zip: 88241	Address: PO Box 1058												
Phone #: 575 393-3386	Fax #:	City: Hobbs		State: NM	Zip: 88241										
Project #:	Project Owner: Riley Permian	City: Hobbs		State: NM	Zip: 88241										
Project Name: Montana Junction Riser		City: Hobbs		State: NM	Zip: 88241										
Project Location: UL/O Sec 31 T8S - R34E		City: Hobbs		State: NM	Zip: 88241										
Sampler Name: Bradley Wells		City: Hobbs		State: NM	Zip: 88241										
FOR LAB USE ONLY		City: Hobbs		State: NM	Zip: 88241										
Lab I.D. Sample I.D.		City: Hobbs		State: NM	Zip: 88241										
422.311		City: Hobbs		State: NM	Zip: 88241										
31 FL91		City: Hobbs		State: NM	Zip: 88241										
32 FL92		City: Hobbs		State: NM	Zip: 88241										
33 FL93		City: Hobbs		State: NM	Zip: 88241										
34 FL94		City: Hobbs		State: NM	Zip: 88241										
35 FL95		City: Hobbs		State: NM	Zip: 88241										
36 FL96		City: Hobbs		State: NM	Zip: 88241										
37 FL97		City: Hobbs		State: NM	Zip: 88241										
38 FL98		City: Hobbs		State: NM	Zip: 88241										
39 FL99		City: Hobbs		State: NM	Zip: 88241										
40 FL100		City: Hobbs		State: NM	Zip: 88241										
Relinquished By: Daniel Dominguez		City: Hobbs		State: NM	Zip: 88241										
Date: 7/15/22		City: Hobbs		State: NM	Zip: 88241										
Time: 2:37		City: Hobbs		State: NM	Zip: 88241										
Relinquished By:		City: Hobbs		State: NM	Zip: 88241										
Date:		City: Hobbs		State: NM	Zip: 88241										
Time:		City: Hobbs		State: NM	Zip: 88241										
Delivered By: (Circle One) -1.3e C.O.D.e		City: Hobbs		State: NM	Zip: 88241										
Sampler - UPS - Bus - Other: -1.9e #113		City: Hobbs		State: NM	Zip: 88241										
CHECKED BY: (Initials) 20		City: Hobbs		State: NM	Zip: 88241										
REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileypermian.com		City: Hobbs		State: NM	Zip: 88241										





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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: Hungry Horse LLC																																									
Address: PO Box 1058		Attn: Daniel Dominguez																																									
City: Hobbs	State: NM	Zip: 88241	Address: PO Box 1058																																								
Phone #: 575 393-3386	Fax #:	City: Hobbs		State: NM	Zip: 88241																																						
Project #:	Project Owner: Riley Permian	City: Hobbs		State: NM	Zip: 88241																																						
Project Name: Montana Junction Riser		City: Hobbs		State: NM	Zip: 88241																																						
Project Location: UL/O Sec 31 T8S - R34E		Phone #: 575 393-3386		Fax #:																																							
Sampler Name: Bradley Wells		P.O. #:		FAX #:																																							
FOR LAB USE ONLY																																											
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX 8021											
H223111		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
52 FL111		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
53 FL112		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
54 FL113		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
55 FL114		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
56 FL115		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
57 FL116		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
58 FL117		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
59 FL118		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
59 FL119		C 1		X		X		X		X		X		X		X		X		X		X		7/15/22		X		X		X													
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Relinquished By: <i>Cl. Dominguez</i>		Date: 7/18/22		Received By: <i>Benjamin Black</i>		Time: 3:38		Received By: <i>Benjamin Black</i>		Time:		Sample Condition		Cool Intact		CHECKED BY: (Initials)		REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileypermian.com																									
Delivered By: (Circle One)		-1.3°C		C-0.6°C		Sample Condition		Cool Intact		CHECKED BY: (Initials)																																	
Sampler - UPS - Bus - Other: <i>-1.9°C #113</i>		-1.9°C #113		Sample Condition		Cool Intact		CHECKED BY: (Initials)																																			

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July 21, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 14:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 1 (H223112-01)**

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	07/21/2022	ND	1.91	95.3	2.00	9.48	
<b>Toluene*</b>	<b>0.137</b>	0.050	07/21/2022	ND	1.95	97.5	2.00	9.26	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	1.97	98.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.05	101	6.00	9.84	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 2 (H223112-02)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 3 (H223112-03)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 4 (H223112-04)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 43-149

Surrogate: 1-Chlorooctadecane 81.3 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 5 (H223112-05)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 68.4 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 6 (H223112-06)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 70.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 7 (H223112-07)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.5 % 43-149

Surrogate: 1-Chlorooctadecane 72.7 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 8 (H223112-08)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 9 (H223112-09)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	0.059	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 65.3 % 43-149

Surrogate: 1-Chlorooctadecane 70.6 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 10 (H223112-10)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 43-149

Surrogate: 1-Chlorooctadecane 76.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 11 (H223112-11)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 80.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 12 (H223112-12)**

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	07/20/2022	ND	1.91	95.3	2.00	9.48		
Toluene*	<0.050	0.050	07/20/2022	ND	1.95	97.5	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	1.97	98.4	2.00	10.3		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.05	101	6.00	9.84		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/20/2022	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	07/20/2022	ND	188	94.0	200	2.06	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.5	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.2 % 43-149

Surrogate: 1-Chlorooctadecane 77.8 % 42.5-161

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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: 07/18/2022  
 Reported: 07/21/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/15/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 13 (H223112-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2022	ND	2.11	106	2.00	4.39	
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38	
Total BTEx	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 14 (H223112-14)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	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	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 43-149

Surrogate: 1-Chlorooctadecane 75.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 15 (H223112-15)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 43-149

Surrogate: 1-Chlorooctadecane 75.1 % 42.5-161

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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:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 16 (H223112-16)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 43-149

Surrogate: 1-Chlorooctadecane 71.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/18/2022	Sampling Date:	07/15/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: SW 17 (H223112-17)**

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	07/20/2022	ND	2.11	106	2.00	4.39		
Toluene*	<0.050	0.050	07/20/2022	ND	2.23	112	2.00	3.99		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.29	114	2.00	3.98		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.98	116	6.00	3.38		
Total BTX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/20/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	176	88.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	189	94.6	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 43-149

Surrogate: 1-Chlorooctadecane 71.0 % 42.5-161

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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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



### 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: Hungry Horse LLC																			
Address: PO Box 1058		Attn: Daniel Dominguez																			
City: Hobbs	State: NM	Zip: 88241	Address: PO Box 1058																		
Phone #: 575 393-3386	Fax #:	City: Hobbs																			
Project #:	Project Owner: Riley Permian	State: NM	Zip: 88241																		
Project Name: Montana Junction Riser		Phone #: 575 393-3386																			
Project Location: UL/ O Sec 31 T8S - R34E		Fax #:																			
Sampler Name: Bradley Wells																					
FOR LAB USE ONLY																					
Lab I.D. Sample I.D. H723112	(G)RAB OR (C)OMP.	# CONTAINERS		MATRIX				PRESERV.		SAMPLING											
				GROUNDWATER																	
				WASTEWATER																	
				SOIL																	
				OIL																	
				SLUDGE																	
				OTHER :																	
				ACID/BASE:																	
				ICE / COOL																	
				OTHER :																	
				DATE																	
				TIME																	
				Chloride																	
				TPH																	
				BTEX 8021																	

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Relinquished By: *Glenn Dominguez* Date: 7/18/22 Time: 8:39 AM Received By: *Montana Junction Riser*

Delivered By: (Circle One) *-1.3e* *0-0.6e* Sample Condition Cool ☒ Intact ☒ Yes ☐ No ☐ No

Sampler - UPS - Bus - Other: *-1.9e #13* CHECKED BY: *TD*

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

REMARKS:

Email results to: pm@hungry-horse.com  
benolszewski@rileypermian.com



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

August 05, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/29/22 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 2A (H223374-01)**

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	08/03/2022	ND	1.91	95.5	2.00	0.248		
Toluene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	1.72		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.00	99.9	2.00	2.06		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.19	103	6.00	2.84		
Total BTEX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 3A (H223374-02)**

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	08/03/2022	ND	1.91	95.5	2.00	0.248	
Toluene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	1.72	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.00	99.9	2.00	2.06	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.19	103	6.00	2.84	
Total BTEX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	08/03/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.1 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 4A (H223374-03)**

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	08/03/2022	ND	1.91	95.5	2.00	0.248	
Toluene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	1.72	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.00	99.9	2.00	2.06	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.19	103	6.00	2.84	
Total BTX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20400	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 5A (H223374-04)**

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	08/03/2022	ND	1.91	95.5	2.00	0.248		
Toluene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	1.72		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.00	99.9	2.00	2.06		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.19	103	6.00	2.84		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/03/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 6A (H223374-05)**

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	08/03/2022	ND	1.95	97.6	2.00	0.509	QM-07
Toluene*	<0.050	0.050	08/03/2022	ND	2.09	104	2.00	4.12	QR-03
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	1.99	99.6	2.00	1.20	QR-03
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.20	103	6.00	1.55	QR-03
Total BTX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	08/03/2022	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 7A (H223374-06)**

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	08/03/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/03/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.20	103	6.00	1.55		
Total BTEX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Hungry Horse Environmental  
 DANIEL DOMINGUEZ  
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 Hobbs NM, 88240  
 Fax To: (505) 391-4585

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 9A (H223374-07)**

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	08/03/2022	ND	1.95	97.6	2.00	0.509	
Toluene*	<0.050	0.050	08/03/2022	ND	2.09	104	2.00	4.12	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	1.99	99.6	2.00	1.20	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.20	103	6.00	1.55	
Total BTEX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.1 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 10A (H223374-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/03/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 11A (H223374-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/03/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27600	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Hungry Horse Environmental  
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Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 13A (H223374-10)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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**Analytical Results For:**

Hungry Horse Environmental  
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Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 16A (H223374-11)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32800	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 18A (H223374-12)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 19A (H223374-13)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	35600	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 20A (H223374-14)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	08/03/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 24A (H223374-15)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	39200	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.4 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 27A (H223374-16)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	212	106	200	13.6	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	223	112	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 28A (H223374-17)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30400	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 29A (H223374-18)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 30A (H223374-19)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	ND	1.95	97.6	2.00	0.509	
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55	
Total BTX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	08/03/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 31A (H223374-20)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 115 % 43-149

Surrogate: 1-Chlorooctadecane 117 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 32A (H223374-21)**

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	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 34A (H223374-22)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7000	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 43-149

Surrogate: 1-Chlorooctadecane 90.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 35A (H223374-23)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 36A (H223374-24)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	1.95	97.6	2.00	0.509		
Toluene*	<0.050	0.050	08/04/2022	ND	2.09	104	2.00	4.12		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.99	99.6	2.00	1.20		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.20	103	6.00	1.55		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4930	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 37A (H223374-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 41A (H223374-26)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 42A (H223374-27)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 43A (H223374-28)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 44A (H223374-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 45A (H223374-30)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 46A (H223374-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	08/03/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 49A (H223374-32)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17200	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 107 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 50A (H223374-33)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	08/03/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 111 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 51A (H223374-34)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	08/04/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 53A (H223374-35)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	08/04/2022	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	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 98.1 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 54A (H223374-36)**

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	08/04/2022	ND	2.03	101	2.00	8.67	
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04	
Total BTX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	08/04/2022	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	08/04/2022	ND	199	99.6	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	204	102	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 55A (H223374-37)**

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	08/04/2022	ND	2.03	101	2.00	8.67	
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74	
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29	
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04	
Total BTX	<0.300	0.300	08/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.2 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 56A (H223374-38)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16400	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 86.5 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 58A (H223374-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

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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: 07/29/2022  
 Reported: 08/05/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 59A (H223374-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 60A (H223374-41)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 63A (H223374-42)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 43-149

Surrogate: 1-Chlorooctadecane 95.0 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 64A (H223374-43)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7800	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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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:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 65A (H223374-44)**

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	08/04/2022	ND	2.03	101	2.00	8.67		
Toluene*	<0.050	0.050	08/04/2022	ND	2.11	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	2.13	106	2.00	9.29		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	6.50	108	6.00	9.04		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 66A (H223374-45)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	7.74	
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67	
Total BTX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 67A (H223374-46)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2022	ND	2.02	101	2.00	7.74	
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 82A (H223374-47)**

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	08/03/2022	ND	2.02	101	2.00	7.74	
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18800	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 43-149

Surrogate: 1-Chlorooctadecane 89.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/29/2022  
 Reported: 08/05/2022  
 Project Name: MONTANA JUNCTION RISER  
 Project Number: RILEY PERMIAN  
 Project Location: UL / O SEC 31 T8S - R34E

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 83A (H223374-48)**

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	08/03/2022	ND	2.02	101	2.00	7.74	
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 90A (H223374-49)**

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	08/03/2022	ND	2.02	101	2.00	7.74		
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67		
Total BTEx	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8260	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 43-149

Surrogate: 1-Chlorooctadecane 97.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 97A (H223374-50)**

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	08/03/2022	ND	2.02	101	2.00	7.74		
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67		
Total BTEx	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 43-149

Surrogate: 1-Chlorooctadecane 94.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/29/2022	Sampling Date:	07/29/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	RILEY PERMIAN	Sample Received By:	Tamara Oldaker
Project Location:	UL / O SEC 31 T8S - R34E		

**Sample ID: FL 98A (H223374-51)**

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	08/03/2022	ND	2.02	101	2.00	7.74	
Toluene*	<0.050	0.050	08/03/2022	ND	2.10	105	2.00	7.94	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.12	106	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	8.67	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	08/04/2022	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	08/04/2022	ND	194	96.8	200	8.21	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	206	103	200	6.49	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #:		BILL TO		ANALYSIS REQUEST																			
Project Manager: Daniel Dominguez		City: Hobbs		State: NM		Zip: 88241		Company: Hungry Horse LLC		Attn: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:			
Address: PO Box 1058		State: NM		Zip: 88241		Attn: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:							
City: Hobbs		State: NM		Zip: 88241		Attn: Daniel Dominguez		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:							
Phone #: 575 393-3386		Fax #:		Project Owner: Riley Permian		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #:											
Project #:		Project Name: Montana Junction Riser		Project Location: UL/O Sec 31 T8S - R34E		Sampler Name: Bradley Wells		FOR LAB USE ONLY																	
Lab I.D. #12912 Sample I.D.		H223375		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
1		FL2a		C 1		X		X		X		X		X		X		X		X		X		X	
2		FL3a		C 1		X		X		X		X		X		X		X		X		X		X	
3		FL4a		C 1		X		X		X		X		X		X		X		X		X		X	
4		FL5a		C 1		X		X		X		X		X		X		X		X		X		X	
5		FL6a		C 1		X		X		X		X		X		X		X		X		X		X	
6		FL7a		C 1		X		X		X		X		X		X		X		X		X		X	
7		FL9a		C 1		X		X		X		X		X		X		X		X		X		X	
8		FL10a		C 1		X		X		X		X		X		X		X		X		X		X	
9		FL11a		C 1		X		X		X		X		X		X		X		X		X		X	
10		FL13a		C 1		X		X		X		X		X		X		X		X		X		X	
DATE		7/29/22		DATE		7/29/22		DATE		7/29/22		DATE		7/29/22		DATE		7/29/22		DATE		7/29/22		DATE	
TIME		16:35		TIME		16:35		TIME		16:35		TIME		16:35		TIME		16:35		TIME		16:35		TIME	
Relinquished By: [Signature]		Date: 7/29/22		Received By: [Signature]		Date: 7/29/22		Sample Condition		Cool		Intact		Checked By: [Signature]		Initials		[Signature]		[Signature]		[Signature]		[Signature]	
Delivered By: (Circle One)		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e		-0.2e	
Sampler - UPS - Bus - Other:		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e		-0.8e	
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																									





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ANALYSIS REQUEST

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pm@hungry-horse.com  
benolszewski@nileypennian.com

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Page 56 of 59

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Email results to: [pm@hungry-horse.com](mailto:pm@hungry-horse.com)  
[benolszewski@rileypermian.com](mailto:benolszewski@rileypermian.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

[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							BILL TO							
Project Manager: Daniel Dominguez							P.O. #:							
Address: PO Box 1058							Company: Hungry Horse LLC							
City: Hobbs							State: NM		Zip: 88241		Attn: Daniel Dominguez			
Phone #: 575 393-3386							Fax #:		Address: PO Box 1058					
Project #:							Project Owner: Riley Permian		City: Hobbs					
Project Name: Montana Junction Riser							State: NM		Zip: 88241					
Project Location: U/L O Sec 31 T8S - R34E							Phone #: 575 393-3386							
Sampler Name: Bradley Wells							Fax #:							
FOR LAB USE ONLY							PRESERV.		SAMPLING					
Lab I.D. Sample I.D.							(G)RAB OR (C)OMP.		# CONTAINERS					
							GROUNDWATER		WASTEWATER					
							SOIL		OIL					
							SLUDGE		OTHER :					
							ACID/BASE:		ICE / COOL					
							OTHER :		DATE		TIME			
H223374							X		7/29/22		Chloride			
41 FL60a							C 1		X		X			
42 FL63a							C 1		X		X			
43 FL64a							C 1		X		X			
44 FL65a							C 1		X		X			
45 FL66a							C 1		X		X			
46 FL67a							C 1		X		X			
41 FL82a							C 1		X		X			
48 FL83a							C 1		X		X			
49 FL90a							C 1		X		X			
50 FL97a							C 1		X		X			
							X		7/29/22		X			
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Relinquished By: [Signature]							Date: 7-29-22		Received By: [Signature]					
Time: 1635														
Reinquinshed By: [Signature]							Date:		Received By: [Signature]					
Time:														
Delivered By: (Circle One)							Sample Condition		CHECKED BY: (Initials)					
Cool Intact							<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]					
Sampler - UPS - Bus - Other:							<input type="checkbox"/> Yes <input type="checkbox"/> No							
-0.2c C-D.6c														
-0.8c #113														
Email results to: pm@hungry-horse.com														
benolszewski@rileypermian.com														





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(575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

August 16, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MONTANA JUNCTION RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 17:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 4B (H223623-01)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTX	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10700	16.0	08/16/2022	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 6B (H223623-02)**

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	08/15/2022	ND	2.03	101	2.00	0.364	
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122	
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831	
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75	
Total BTX	<0.300	0.300	08/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10500	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 9B (H223623-03)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEx	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 11B (H223623-04)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEx	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 16B (H223623-05)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEx	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2110	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 19B (H223623-06)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEX	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2050	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 24B (H223623-07)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEX	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 43-149

Surrogate: 1-Chlorooctadecane 99.2 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	MONTANA JUNCTION RISER	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	RILEY PERMIAN - UL / O SEC 31 T8S - R		

**Sample ID: FL 28B (H223623-08)**

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	08/15/2022	ND	2.03	101	2.00	0.364		
Toluene*	<0.050	0.050	08/15/2022	ND	1.96	98.1	2.00	0.122		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.93	96.7	2.00	0.831		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.00	100	6.00	1.75		
Total BTEX	<0.300	0.300	08/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	08/16/2022	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	08/13/2022	ND	214	107	200	1.67	
DRO >C10-C28*	<10.0	10.0	08/13/2022	ND	208	104	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	08/13/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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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 "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager



## Page 11 of 11

Released to Imaging: 9/8/2022 1:59:32 PM

**Attachment VII**  
**NMOCD Form Initial C-141**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2216659830
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Riley Permian Operating Company, LLC	OGRID 372290
Contact Name Ben Olszewski	Contact Telephone 405-415-8927
Contact email benolszewski@rileypermian.com	Incident # (assigned by OCD) nAPP2216659830
Contact mailing address 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	

### Location of Release Source

Latitude 33.571092 Longitude -103.500598  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Montana Junction Riser	Site Type Pipeline
Date Release Discovered 6/14/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	31	8	34	Roosevelt

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Kizer, Shannon )

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 85.25	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
Corrosion on bottom of pipeline.



Form C-141

State of New Mexico  
Oil Conservation Division


Page 2

Incident ID	nAPP2216659830
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	IF YES, for what reason(s) does the responsible party consider this a major release? An unauthorized release of a volume over 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Ben Olszewski with Riley Permian spoke with Eugene Bolton at the OCD on 6/15/22.	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: Ben Olszewski	Title: EH&S Manager
Signature: 	Date: 4/17/2022
email: benolszewski@rileypermin.com	Telephone: 405-415-8927
<b>OCD Only</b> Received by: Jocelyn Harimon	
Date:	



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 140210

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 140210
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	9/8/2022