



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**

Prepared For:

Riley Permian
29 E. Reno Ave., Suite 500
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Prepared By:

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August 2022

Handwritten signature of Bradley Wells in black ink.

Bradley Wells
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Daniel Dominguez
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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

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



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.



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.



Distribution:

Riley Permian

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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



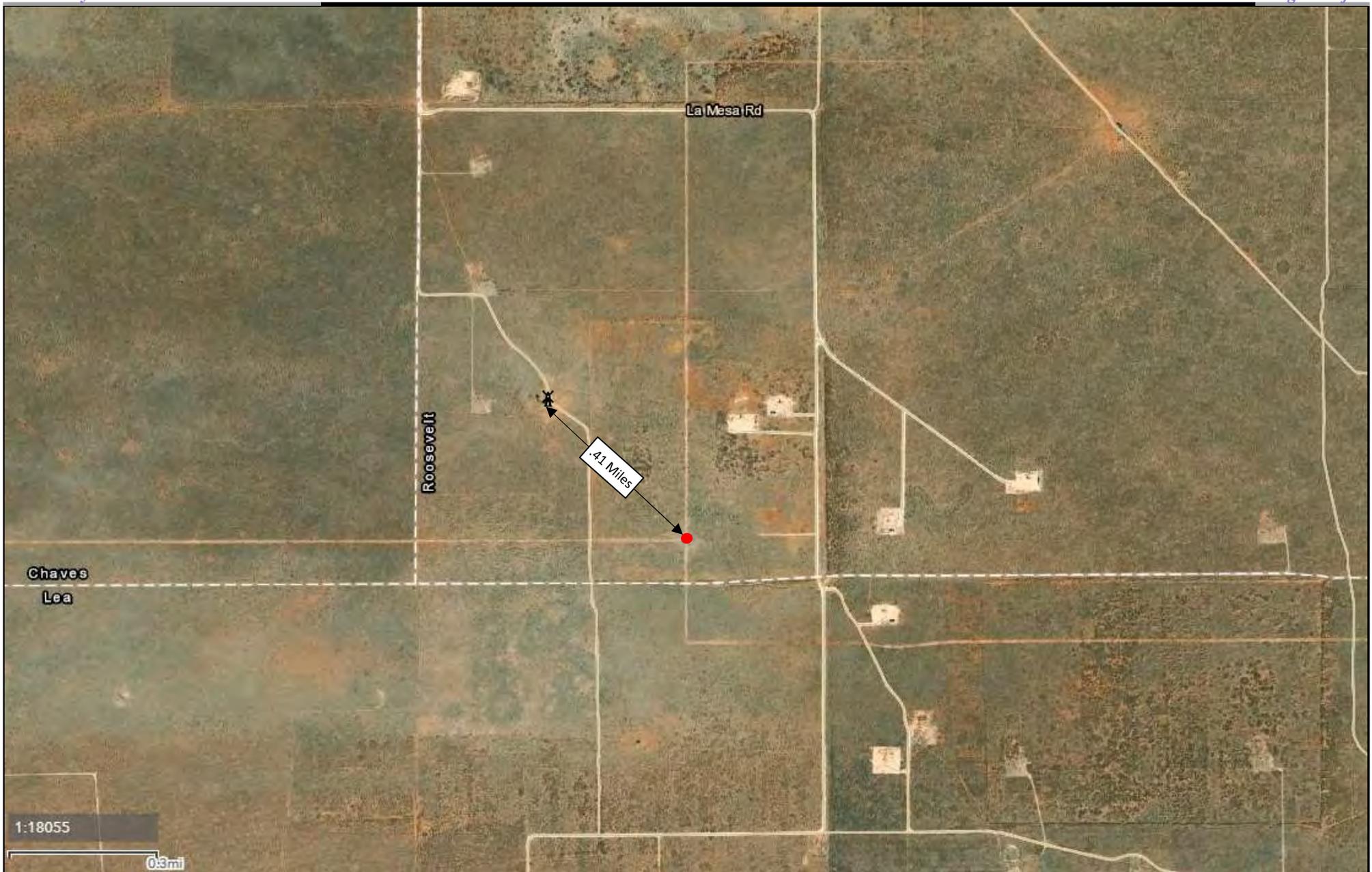


Figure 2
OSE POD Locations Map
Riley Permian
Montana Junction Riser
GPS: 33.571416, -103.500598
Roosevelt County

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

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

The logo for Hungry Horse Environmental & Construction features a circular emblem with a red background and black stylized letters 'HH'. The words 'HUNGRY HORSE' are written in a semi-circle above the emblem, and 'ENVIRONMENTAL & CONSTRUCTION' is written in a semi-circle below it.

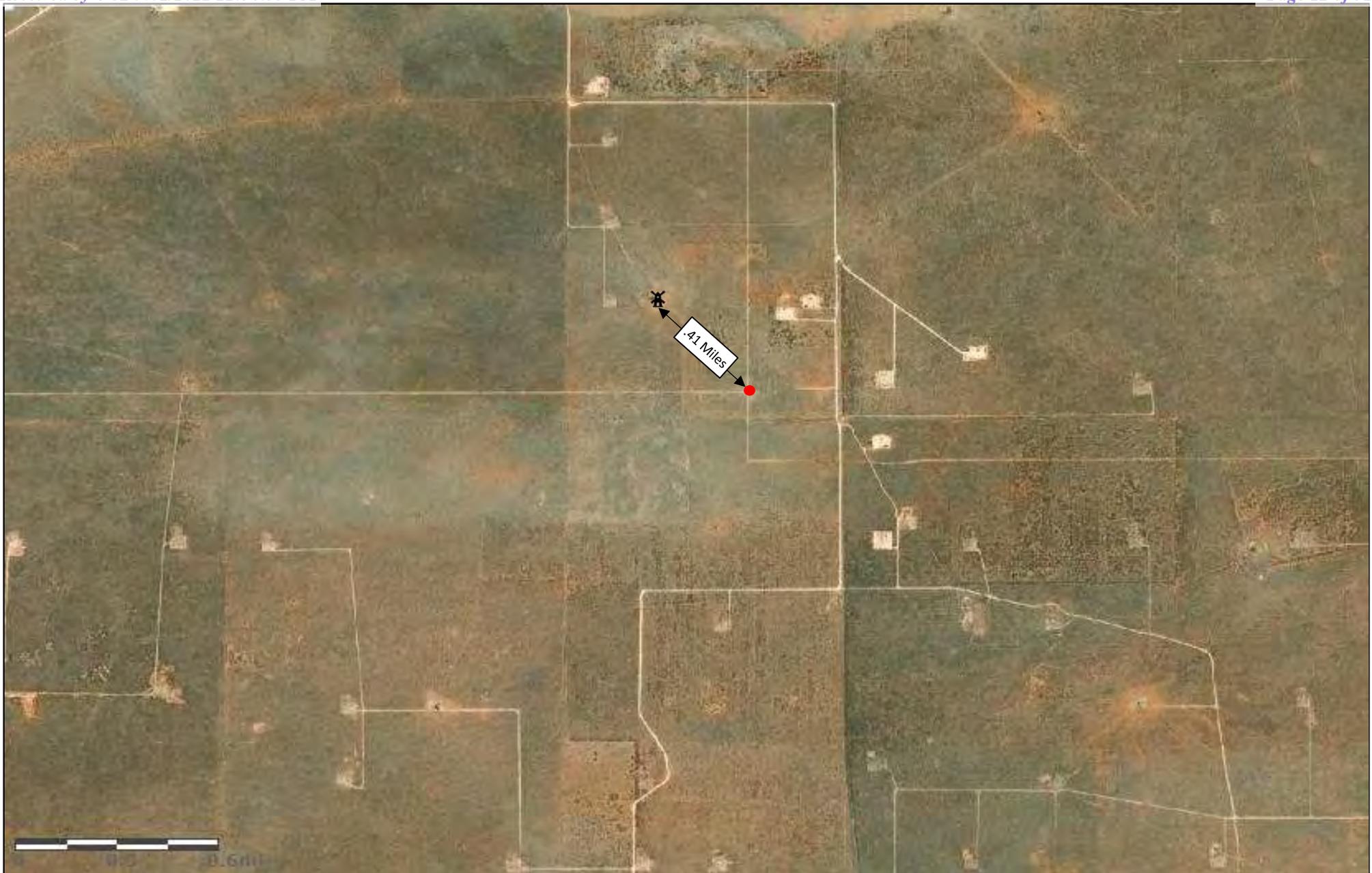


Figure 3

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

Drafted: dd
 Checked: bw
 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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1	6/16/22	Surf	Excavated	<0.050	<0.300	<10.0	98.4	98.4	23.9	122.3	28,400
	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	808	34,800
	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	109.4	32,000
	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	2,167	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	242.7	28,000
	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	9,030	26,000
	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	21,473	49,200
	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	209.4	47,200
	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	32,000
	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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (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	22,200
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	25,200
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	23,800
FL4A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	20,400
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	22,400
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	26,600
FL6A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	20,400
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	29,200
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	28,400
FL9A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	23,200
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	24,000
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	22,400
FL11A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	27,600
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	26,600
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	23,200
FL16A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32,800
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	29,200
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	23,200
FL19A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	35,600
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	21,600
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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (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	20,400
FL24A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	39,200
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	32,800
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	30,000
FL28A	7/29/22	5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	30,400
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	27,600
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	22,000
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	24,400
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	47,600
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	29,600
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	30,800
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	29,200
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	20,000
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	21,600
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	23,200
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	29,600
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	32,000
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	20,000
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	20,400
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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (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	38,800
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	42,000
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	28,800
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	24,400
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	26,400
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	25,600
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	40,400
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	22,800
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	28,800
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	26,400
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	23,600
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	23,200
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	24,400
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	20,000
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	24,000
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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (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	22,200
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	21,000
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	39,200
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	24,400
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	22,400
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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (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
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000

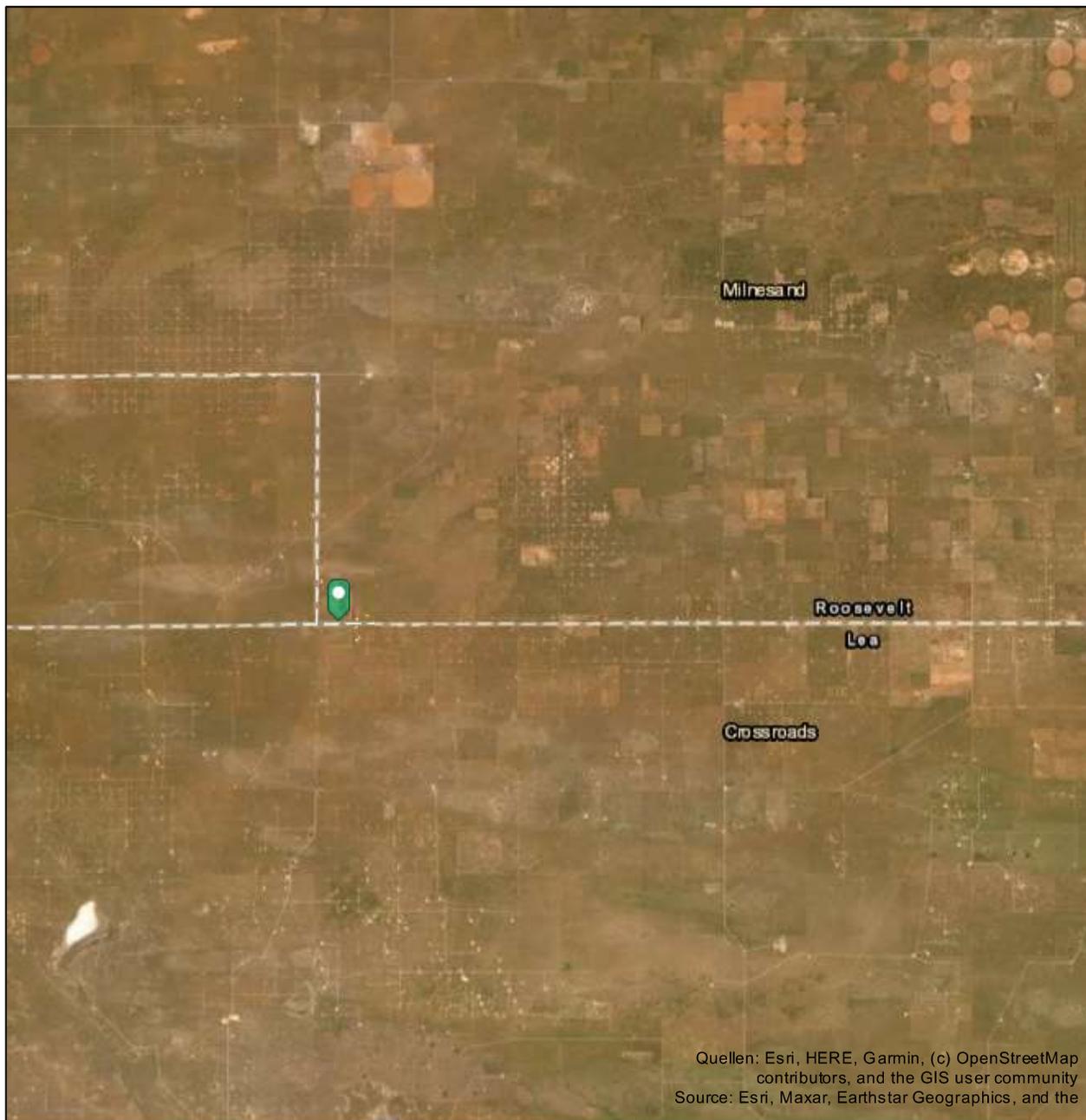
NOTES:

- = 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

- Discontinuous carbonate rocks
- Continuous evaporite rocks
- Discontinuous evaporite rocks
- Mixed carbonate and evaporite rocks

- 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

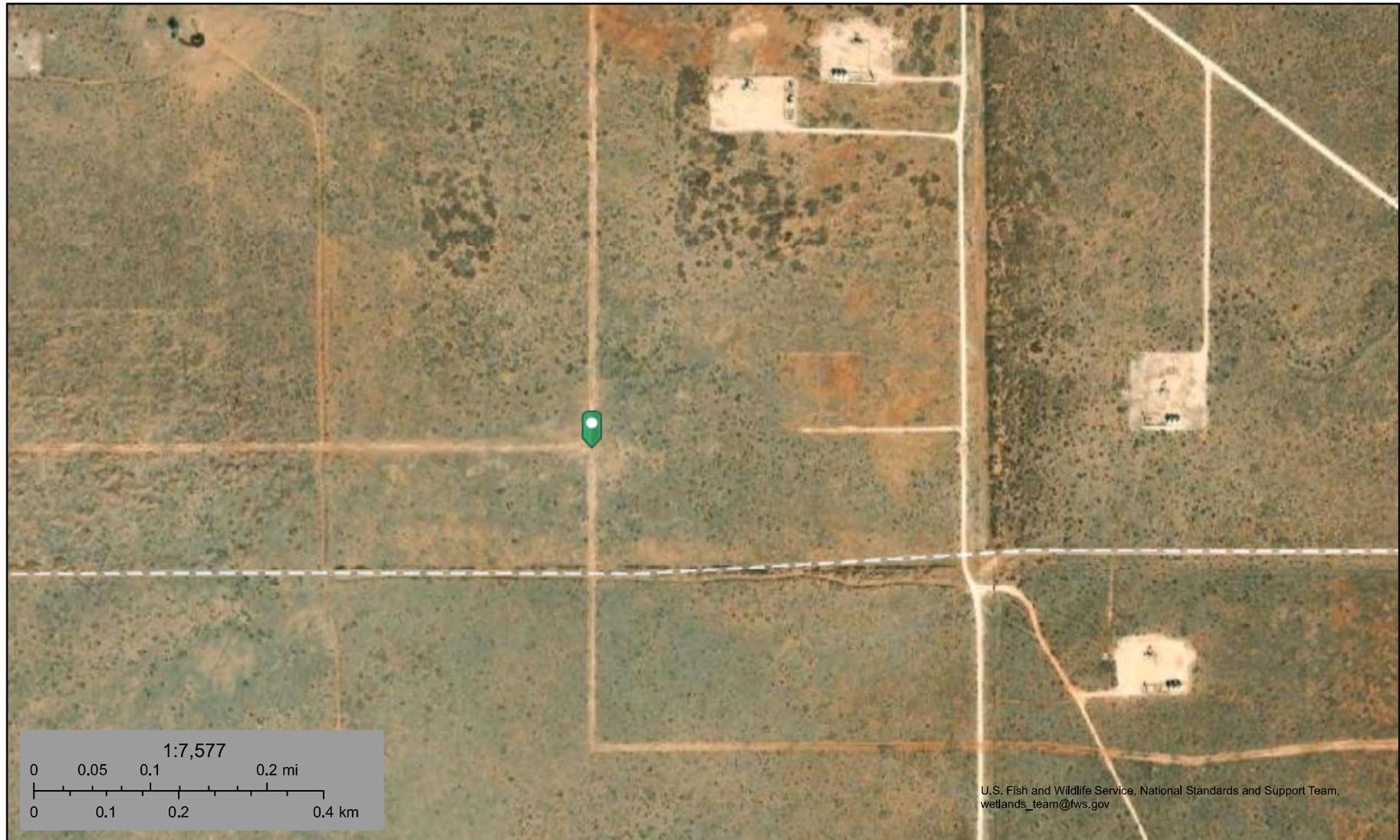
- Continuous ice sheet

Karstifiable rocks (potential karst aquifer)

- Continuous carbonate rocks



Wetlands



August 22, 2022

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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.

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:d Dominguez@hungry-horse.com)>
Sent: Wednesday, July 13, 2022 7:17 AM
To: Enviro, OCD, EMNRD <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

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>
Sent: Wednesday, July 27, 2022 6:38 AM
To: Enviro, OCD, EMNRD <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

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:d Dominguez@hungry-horse.com)>
Sent: Monday, August 8, 2022 11:14 AM
To: Enviro, OCD, EMNRD <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](tel:575-408-3134)
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
<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
dminguez@hungry-horse.com

Attachment III Site Photographs

Photographs



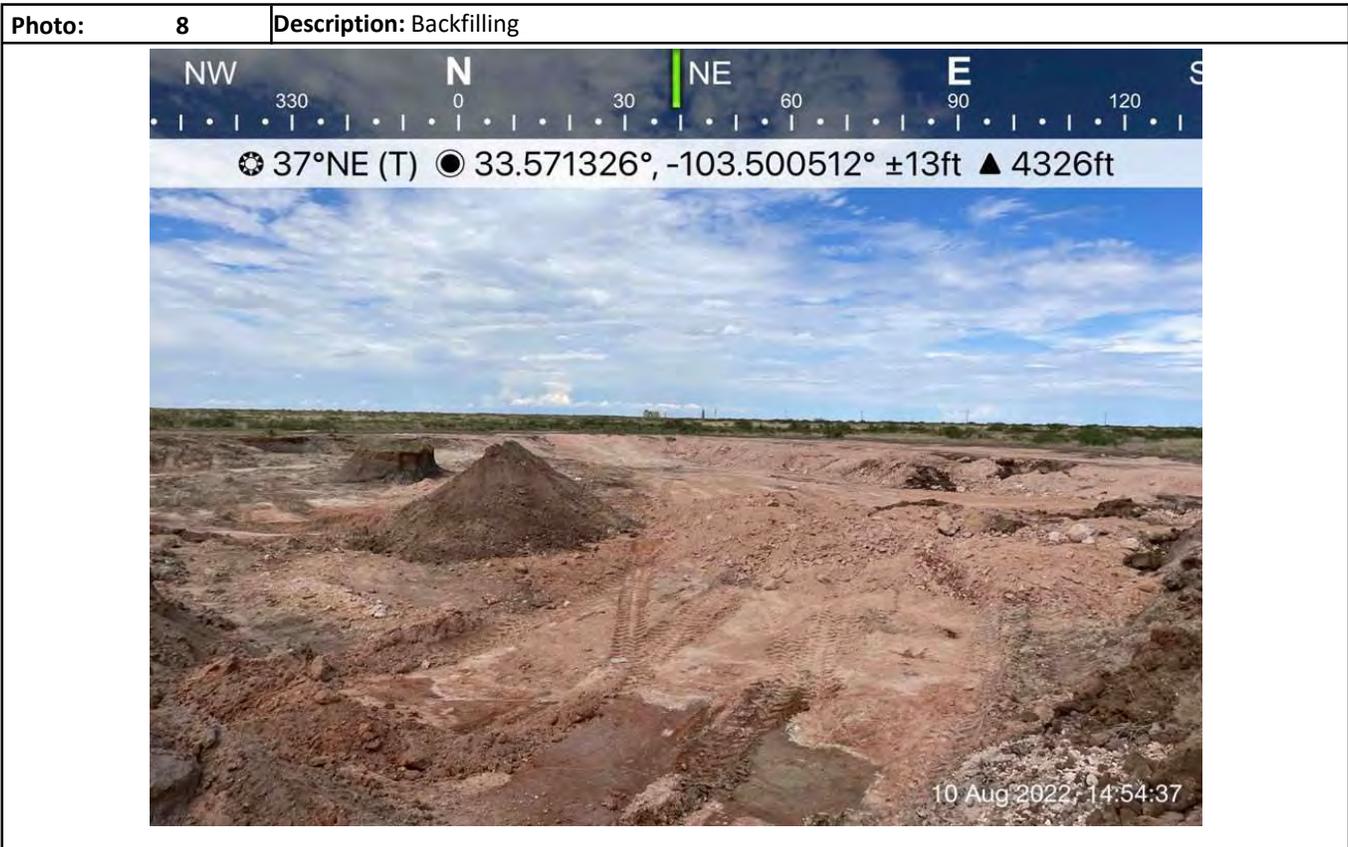
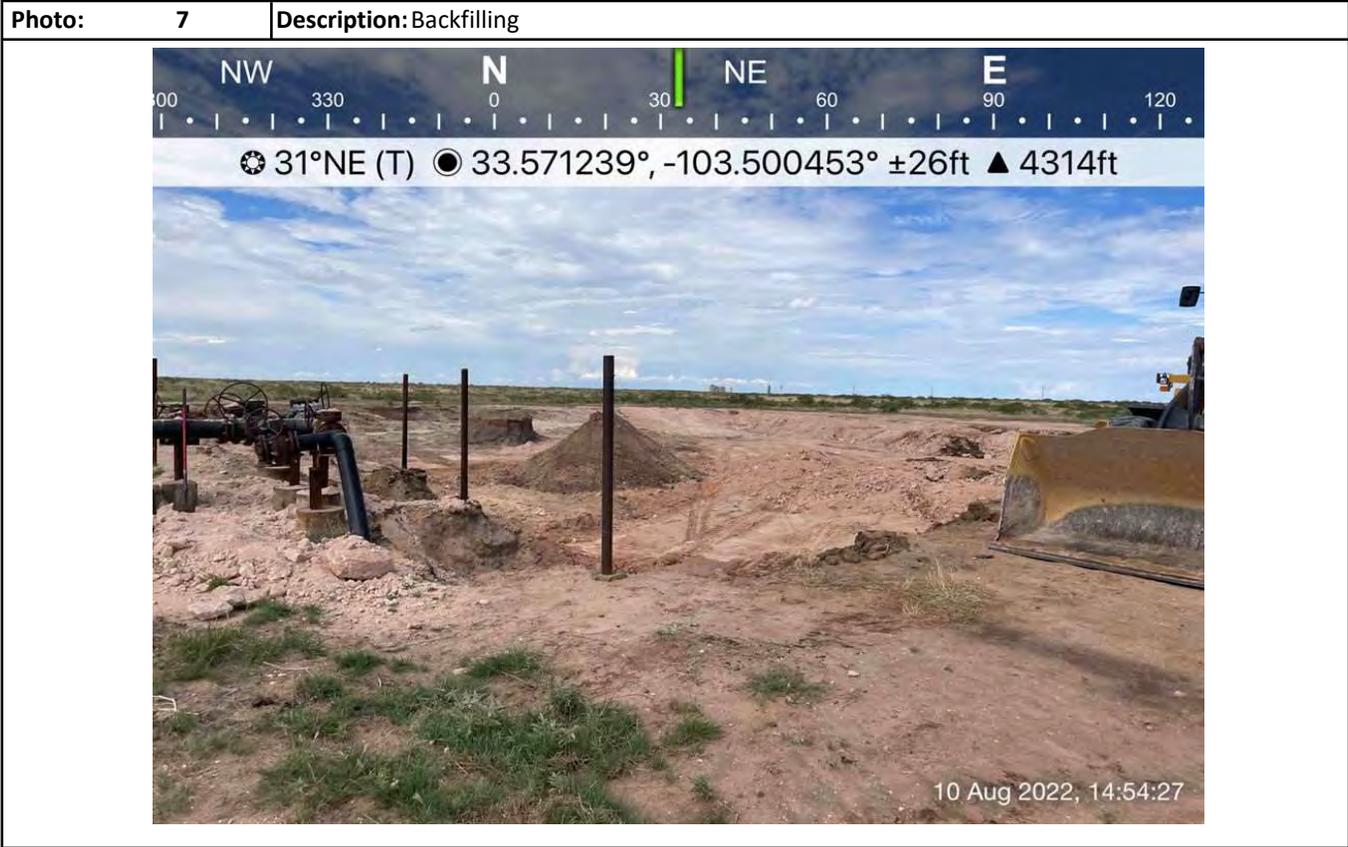
Photographs



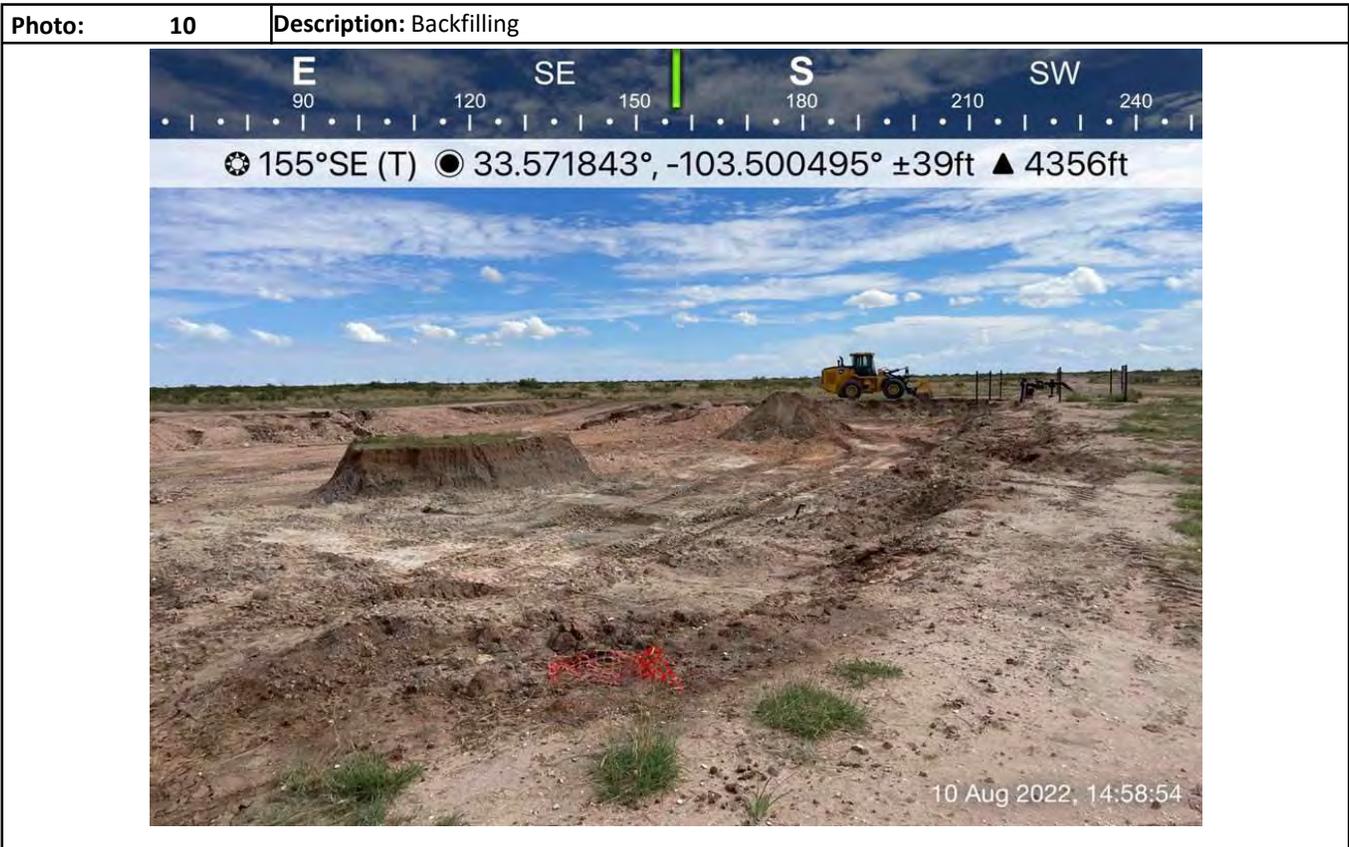
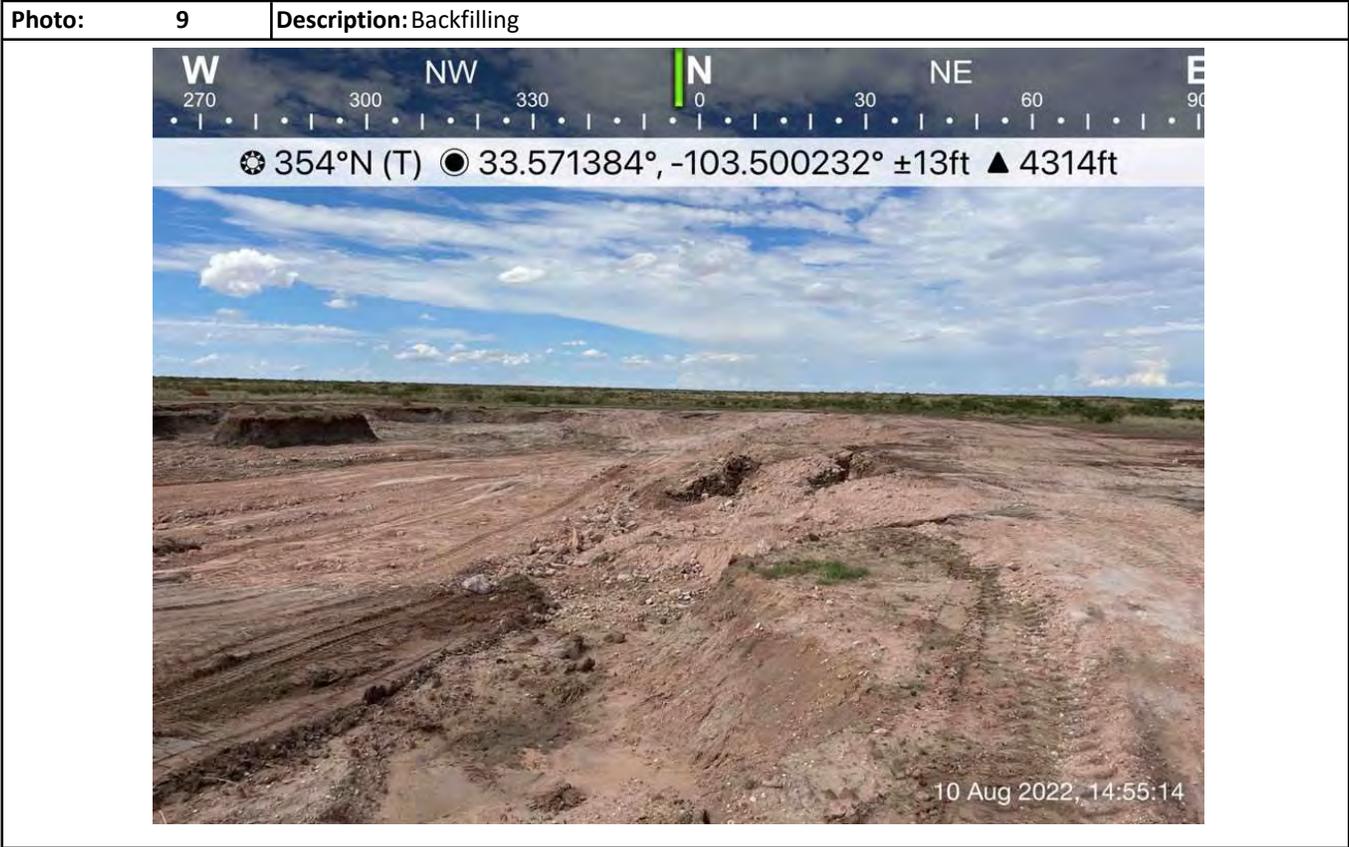
Photographs



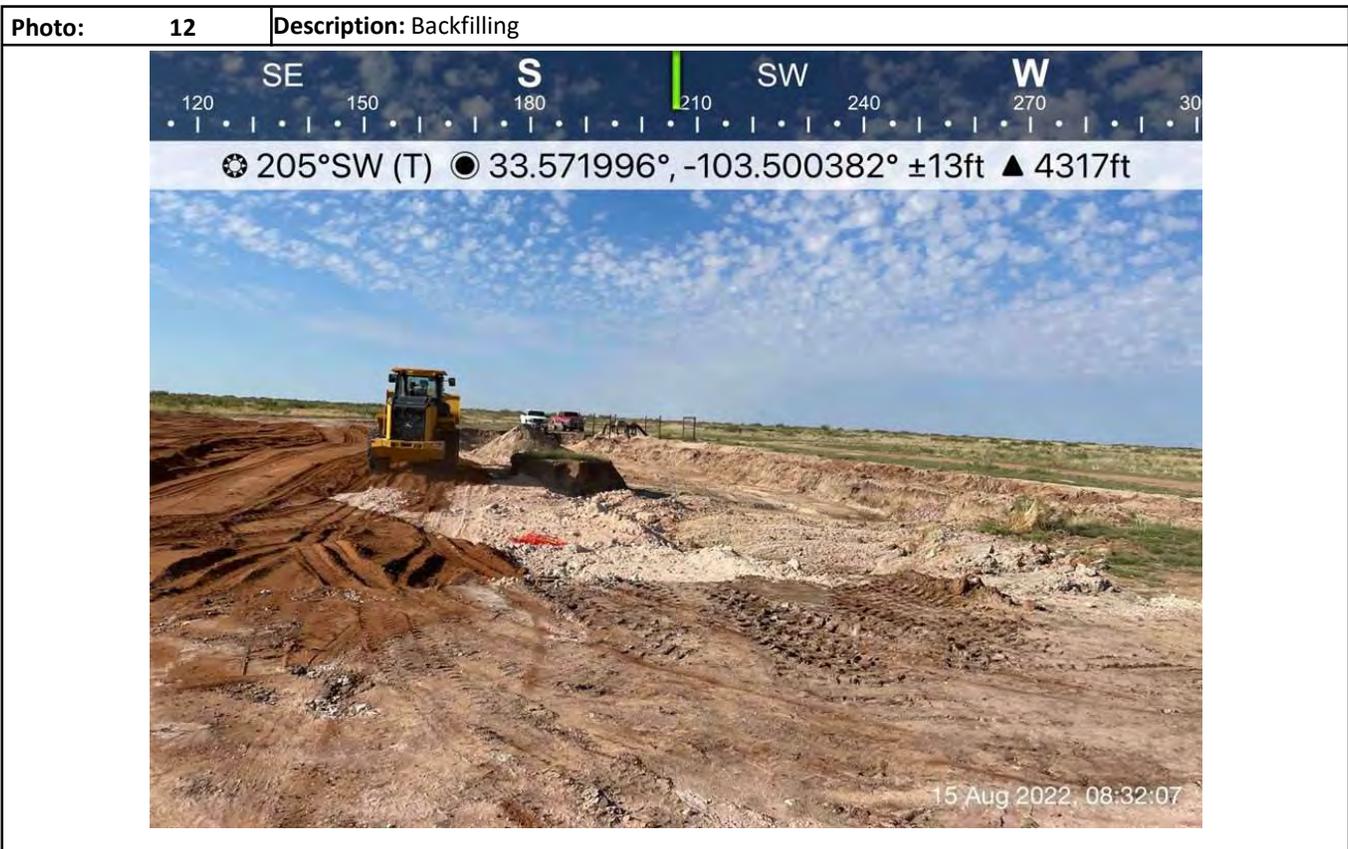
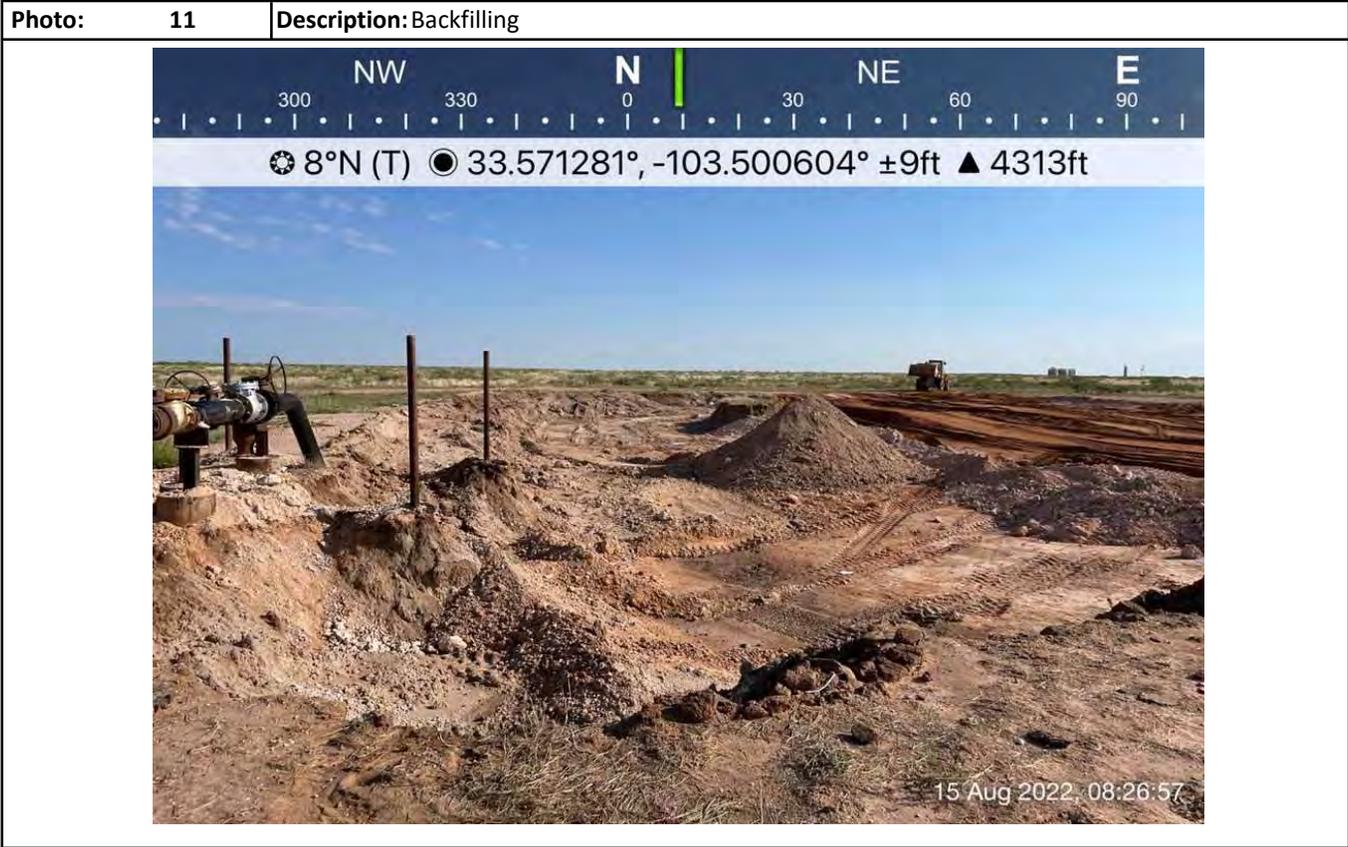
Photographs



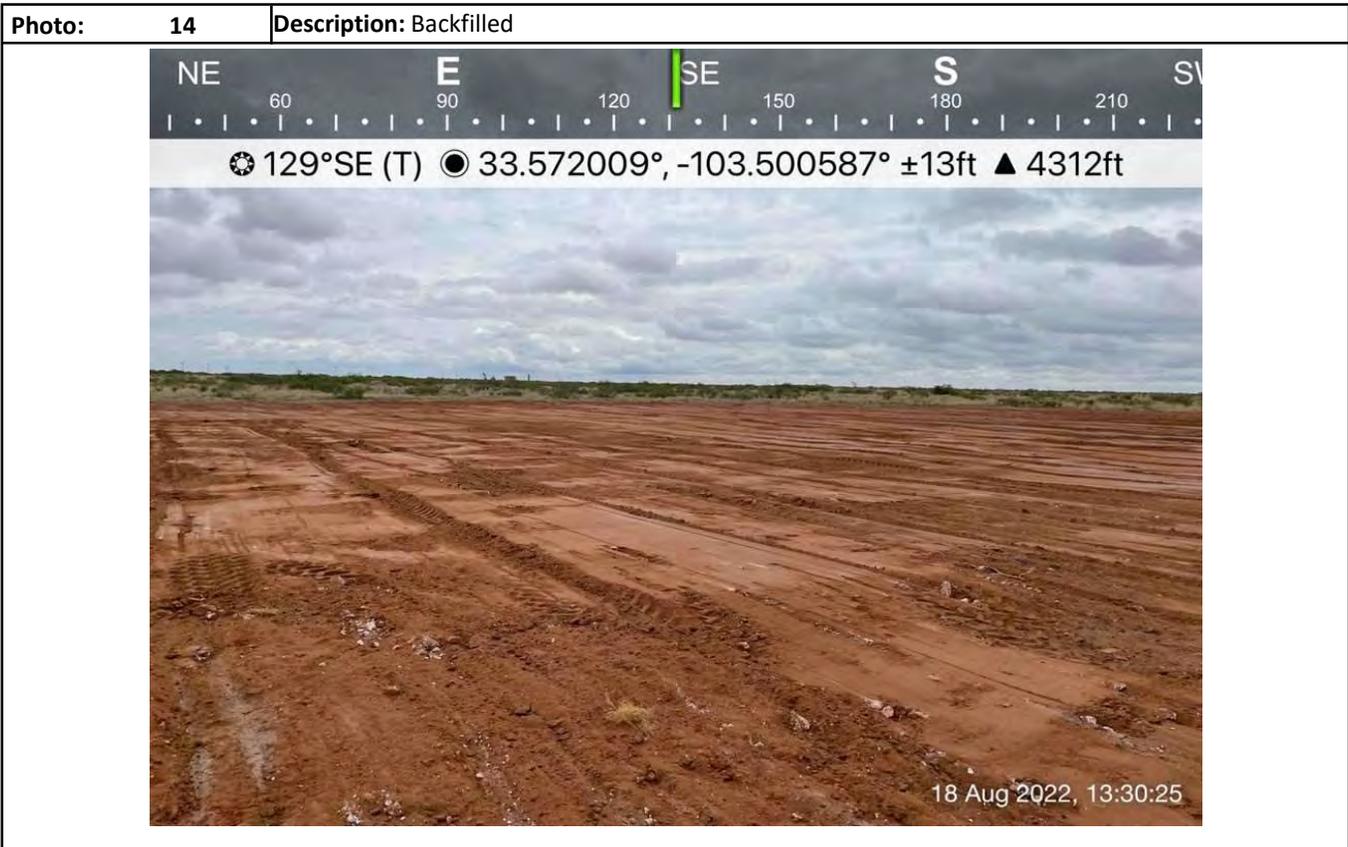
Photographs



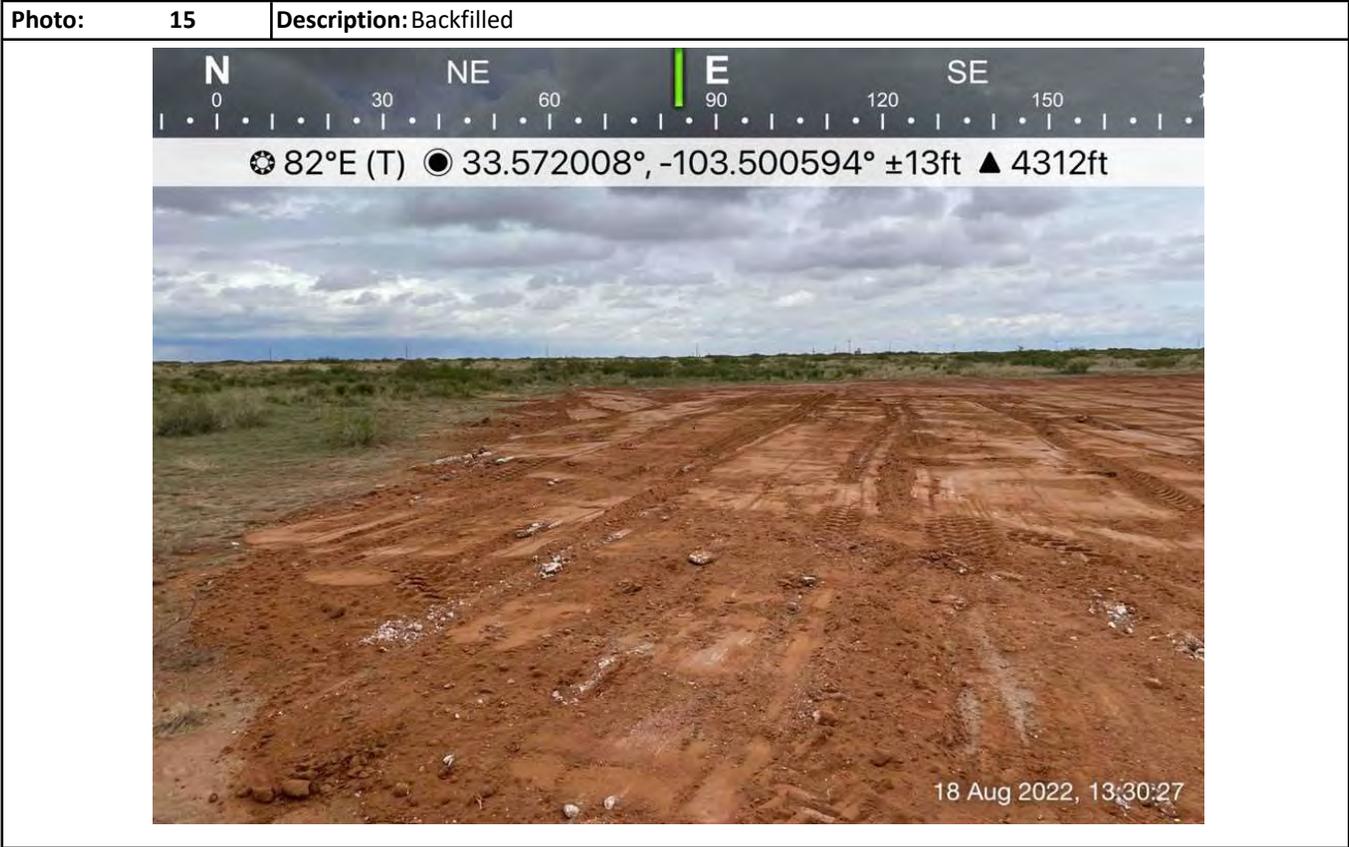
Photographs



Photographs



Photographs



Attachment IV Depth to Groundwater



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

No wells found.

UTMAD83 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

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 = 5391 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 = 1143 x 4 = 4572	

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

Hungry Horse, LLC

Sample Log

Date: 6/17/20

Project: Montana Junction Riser

Latitude: 33.571416

Longitude: -103.500598

Sampler: Jorge Valeriano

Sample ID	Depth	PID/Odor	Chloride	GPS
SP5	sur	TPH	8.6H = 4479 x 4 = 17916	lab
SP5	1'	TPH	8.2H = 3870 x 4 = 15480	
SP5	2'	TPH	7.6H = 2944 x 4 = 11776	
SP5	3'	possible	7.8H = 3212 x 4 = 12848	
SP5	4'	n/a	8.2H = 3870 x 4 = 15480	
SP5	5'	n/a	8.0H = 3517 x 4 = 14068	
SP5	6'	n/a	7.8H = 3212 x 4 = 12848	
SP5	7'	n/a	5.8H = 1443 x 4 = 5772	
SP6	sur	TPH	8.0H = 3517 x 4 = 14068	lab
SP6	1'	TPH	8.4H = 4350 x 4 = 17400	
SP6	2'	TPH	7.8H = 3212 x 4 = 12848	
SP6	3'	TPH	7.6H = 2944 x 4 = 11776	
SP6	4'	possible	8.0H = 3517 x 4 = 14068	
SP6	5'	n/a	8.0H = 3517 x 4 = 14068	
SP6	6'	n/a	8.4H = 4283 x 4 = 17132	
SP6	7'	n/a	8.2H = 3870 x 4 = 15480	
SP6	8'	n/a	8.2H = 3870 x 4 = 15480	
SP7	sur	TPH	8.6H = 4479 x 4 = 17916	lab
SP7	1'	TPH	7.8H = 3212 x 4 = 12848	
SP7	2'	TPH	8.2H = 3870 x 4 = 15480	
SP7	3'	possible	8.0H = 3517 x 4 = 14068	
SP7	4'	n/a	7.8H = 3212 x 4 = 12848	
SP7	5'	n/a	7.8H = 3212 x 4 = 12848	
SP7	6'	n/a	5.6H = 1336 x 4 = 5344	
SP7	7'	n/a	7.2H = 2492 x 4 = 9968	
SP7	8'	n/a	8.0H = 3517 x 4 = 14068	

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

Attachment VI

Laboratory Analytical Reports



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

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.

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.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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)

BTEX 8021B		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	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

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 - 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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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: 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



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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:	06/15/2022	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: 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, 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 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 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:	06/15/2022	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: 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, 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 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.5 % 59.5-142

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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:	06/15/2022	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: 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



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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:	06/15/2022	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: 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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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: 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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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: 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	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: 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Riley Permian
 Project Name: Kizer Riser
 Project Location: UL/O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #:
 Company: Riley Permian
 Attn: Ben Olszewski
 Address: 29E. Reno Ave. Suite 500
 City: Oklahoma City
 State: OK Zip: 73104
 Phone #: 405-415-8927
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
A22570	1		1	X							6/15/22		X	X	X	
	2		1	X							6/15/22		X	X	X	
	3		1	X							6/15/22		X	X	X	
	4		1	X							6/15/22		X	X	X	
	5		1	X							6/15/22		X	X	X	
	6		1	X							6/15/22		X	X	X	
	7		1	X							6/15/22		X	X	X	
	8		1	X							6/15/22		X	X	X	
	9		1	X							6/15/22		X	X	X	
	10		1	X							6/15/22		X	X	X	

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Relinquished By: *[Signature]* Date: 6-15-22
 Received By: *[Signature]* Date: 6-15-22
 Relinquished By: *[Signature]* Date:
 Received By: *[Signature]* Date:
 Time:
 Time:
 Sample Condition: Cool Intact
 Yes No
 Checked By: *[Signature]*

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

Delivered By: (Circle One) 1.6e 2-0-5e
 Sampler - UPS - Bus - Other: 1.1e #113
 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

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.

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.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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	
Toluene*	0.091	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	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 - 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, SM4500Cl-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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* = 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	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, SM4500CI-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500Cl-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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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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* = 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	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 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



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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 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
Benzene*	0.890	0.050	06/17/2022	ND	2.03	102	2.00	2.58	
Toluene*	0.969	0.050	06/17/2022	ND	2.04	102	2.00	3.01	
Ethylbenzene*	1.37	0.050	06/17/2022	ND	1.92	95.9	2.00	2.71	
Total Xylenes*	1.63	0.150	06/17/2022	ND	5.96	99.3	6.00	2.77	
Total BTEX	4.86	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
Chloride	49200	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*	133	100	06/17/2022	ND	195	97.4	200	1.54		
DRO >C10-C28*	16300	100	06/17/2022	ND	201	100	200	1.38		
EXT DRO >C28-C36	5040	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	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 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, SM4500CI-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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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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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	State: NM	Zip: 88241	Address: 29E. Reno Ave, Suite 500				
Phone #: 575 393-3386	Fax #:	City: Oklahoma City		State: OK	Zip: 73104		
Project #:	Project Owner: Riley Permian	State: OK		Phone #: 405-415-8927			
Project Name: Montana Junction Riser	Project Location: UL/O Sec 31 T8S - R34E		Fax #:				
Sampler Name: Bradley Wells							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	SP1-Surf	G	1	X										
2	SP1-8'	G	1	X										
3	SP2-Surf	G	1	X										
4	SP3-Surf	G	1	X										
5	SP4-Surf	G	1	X										
6	SP5-Surf	G	1	X										
7	SP6-Surf	G	1	X										
8	SP7-Surf	G	1	X										
9	SP8-Surf	G	1	X										
10	SP9-Surf	G	1	X										

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Relinquished By: <i>[Signature]</i>	Date: 6/16/22	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Time: 10:13	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:

Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>2. UPS - O.S.C.</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>
Email results to: pm@hungry-horse.com benolszewski@rileypermian.com		



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.

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:	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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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	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 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, SM4500Cl-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	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 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, SM4500CI-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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* = 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	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 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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*=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	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 5 - 9' (H222928-05)

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	07/11/2022	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) 79.7 % 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	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 7 - 10' (H222928-07)

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	07/11/2022	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	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	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 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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 9 - 4' (H222928-09)

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	07/08/2022	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) 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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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #: [blank]
 Project #: [blank] Project Owner: Riley Permian
 Project Name: Montana Junction Riser
 Project Location: UL/O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #: [blank] Company: Riley Permian
 Attn: Ben Olszewski
 Address: 29E. Reno Ave, Suite 500
 City: Oklahoma City
 State: OK Zip: 73104
 Phone #: 405-415-8927
 Fax #: [blank]

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
1	SP1-9'	G	1	X												
2	SP2-10'	G	1	X												
3	SP3-10'	G	1	X												
4	SP4-9'	G	1	X												
5	SP5-9'	G	1	X												
6	SP6-10'	G	1	X												
7	SP7-10'	G	1	X												
8	SP8-10'	G	1	X												
9	SP9-4'	G	1	X												

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Relinquished By: [Signature] Date: 7/1/22
 Received By: [Signature] Date: 7/1/22
 Time: [blank] Time: [blank]

Delivered By: (Circle One) 1.22°C - 0.5°C
 Sampler - UPS - Bus - Other: 0.72 #113
 Sample Condition: Cool Intact
 Checked By: [Signature]

REMARKS:
 Email results to: pm@hungry-horse.com
 benolszewski@rileypermian.com
 Phone Result: Yes No Add'l Phone #: [blank]
 Fax Result: Yes No Add'l Fax #: [blank]

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



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.

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:	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)

BTEX 8021B		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	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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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 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, SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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
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 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
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 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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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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 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, 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	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



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Analytical Results For:

Hungry Horse Environmental
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 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 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, SM4500Cl-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	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 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



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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 11 (H223110-11)

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	07/19/2022	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	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



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

Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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



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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:	07/18/2022	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 15 (H223110-15)

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	07/19/2022	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	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



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Analytical Results For:

Hungry Horse Environmental
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 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
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 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



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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 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, SM4500Cl-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, SM4500Cl-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
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 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, SM4500CI-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



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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 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)

BTEX 8021B		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	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
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 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



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Analytical Results For:

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 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)

BTEX 8021B		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, 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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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)

BTEX 8021B		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	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
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 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
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 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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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
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 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 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



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Analytical Results For:

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 DANIEL DOMINGUEZ
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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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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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, 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	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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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 37 (H223110-37)

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	07/20/2022	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	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
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 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



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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 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, SM4500CI-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



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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 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



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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:	07/18/2022	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)

BTEX 8021B		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) 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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Analytical Results For:

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 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 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, SM4500CI-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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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 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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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, SM4500Cl-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



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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 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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Analytical Results For:

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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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Analytical Results For:

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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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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, 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	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
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 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, SM4500CI-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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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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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:	07/18/2022	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

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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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 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 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

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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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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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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		
State: NM	City: Hobbs		
Zip: 88241	State: NM		
Phone #: 575 393-3386	Zip: 88241		
Fax #:	Phone #: 575 393-3386		
Project #:	Fax #:		
Project Owner: Riley Permian			
Project Name: Montana Junction Riser			
Project Location: UL/O Sec 31 T8S - R34E			
Sampler Name: Bradley Wells			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H223110															
1	FL1	C 1	1	X											
2	FL2	C 1	1	X											
3	FL3	C 1	1	X											
4	FL4	C 1	1	X											
5	FL5	C 1	1	X											
6	FL6	C 1	1	X											
7	FL7	C 1	1	X											
8	FL8	C 1	1	X											
9	FL9	C 1	1	X											
10	FL10	C 1	1	X											

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Relinquished By: Eli Dominguez	Date: 7/18/22	Received By: [Signature]
Time: 2:33 PM		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: -1.30 (C-0.6) -1.9 (C) #113	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	[Signature]

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

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC **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 Permin **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	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
11	FL11	C	1	X											
12	FL12	C	1	X											
13	FL13	C	1	X											
14	FL14	C	1	X											
15	FL15	C	1	X											
16	FL16	C	1	X											
17	FL17	C	1	X											
18	FL18	C	1	X											
19	FL19	C	1	X											
20	FL20	C	1	X											

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Relinquished By: *Sti Dominguez* **Date:** 7/18/22 **Received By:** *Jawana White*

Time: 2:33

Delivered By: (Circle One) C-0.6 C-0.6 C-0.6

Sampler - UPS - Bus - Other: -1.3 -1.9 #113

Sample Condition: Cool Intact Yes No

CHECKED BY: *AB*

REMARKS:

Phone Result: Yes No **Add'l Phone #:**

Fax Result: Yes No **Add'l Fax #:**

Email results to: pm@hungry-horse.com
benolszewski@rileypermin.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC		Attn: Daniel Dominguez			
Address: PO Box 1058		City: Hobbs		Address: PO Box 1058			
City: Hobbs		State: NM		Zip: 88241			
Phone #: 575 393-3386		Fax #:		City: Hobbs			
Project #:		Project Owner: Riley Permian		State: NM		Zip: 88241	
Project Name: Montana Junction Riser		Project Location: UL/ O Sec 31 T8S - R34E		Phone #: 575 393-3386			
Sampler Name: Bradley Wells		FOR LAB USE ONLY		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
21	FL21	C	1	X											
22	FL22	C	1	X											
23	FL23	C	1	X											
24	FL24	C	1	X											
25	FL25	C	1	X											
26	FL26	C	1	X											
27	FL27	C	1	X											
28	FL28	C	1	X											
29	FL29	C	1	X											
30	FL30	C	1	X											

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Relinquished By: <i>Eli Dominguez</i>	Date: 7/18/22	Received By: <i>James [Signature]</i>
Time: 2:33		
Delivered By: (Circle One) <u>UPS</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>
Sampler - UPS - Bus - Other: <u>-1.32 CO.62</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)
<u>-1.92 #113</u>		

REMARKS: Email results to: pm@hungry-horse.com
 benolszewski@rileypermian.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Riley Permian
 Project Name: Montana Junction Riser
 Project Location: UL/ O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #: Company: Hungry Horse LLC
 Attn: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
31	FL31	C 1	1	X							7/15/22		X	X	X	
32	FL32	C 1	1	X							7/15/22		X	X	X	
33	FL33	C 1	1	X							7/15/22		X	X	X	
34	FL34	C 1	1	X							7/15/22		X	X	X	
35	FL35	C 1	1	X							7/15/22		X	X	X	
36	FL36	C 1	1	X							7/15/22		X	X	X	
37	FL37	C 1	1	X							7/15/22		X	X	X	
38	FL38	C 1	1	X							7/15/22		X	X	X	
39	FL39	C 1	1	X							7/15/22		X	X	X	
40	FL40	C 1	1	X							7/15/22		X	X	X	

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Relinquished By: *Eli Dominguez* Date: 7/18/22
 Received By: *Benjamin Wells* Date:
 Time: 2:34
 Sample Condition: Cool Intact Yes No

Delivered By: (Circle One) -1.3°C 0-0.6°C
 Sampler - UPS - Bus - Other: -1.9°C #113
 CHECKED BY: *Y.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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST	
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	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. H88311D		Sample I.D.			
41	FL41	C 1	(G)RAB OR (C)OMP.	DATE	TIME
42	FL42	C 1	# CONTAINERS	7/15/22	
43	FL43	C 1	GROUNDWATER	7/15/22	X
44	FL44	C 1	WASTEWATER	7/15/22	X
45	FL45	C 1	SOIL	7/15/22	X
46	FL46	C 1	OIL	7/15/22	X
47	FL47	C 1	SLUDGE	7/15/22	X
48	FL48	C 1	OTHER :	7/15/22	X
49	FL49	C 1	ACID/BASE:	7/15/22	X
50	FL50	C 1	ICE / COOL	7/15/22	X
			OTHER :		
			MATRIX		
			PRESERV.		
			SAMPLING		
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this 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 relating 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.		REMARKS:		Chloride	
Relinquished By: <i>Ali Dominguez</i>		Date: 7/18/22		TPH	
Received By: <i>Benotiszewski</i>		Date: 7/15/22		BTEX 8021	
Delivered By: (Circle One) <i>-1.38</i> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: <i>YD</i>			
Sampler - UPS - Bus - Other: <i>-1.9c #113</i>		Sample Condition			
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476		Cool <input type="checkbox"/> Intact <input type="checkbox"/>			
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Add'l Phone #:			
		Add'l Fax #:			
		Email results to: pm@hungry-horse.com			
		benotiszewski@rileypermian.com			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		P.O. #:		ANALYSIS REQUEST			
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC		Address: PO Box 1058					
Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241			
City: Hobbs		State: NM		Zip: 88241		Attn: Daniel Dominguez			
Phone #: 575 393-3386		Fax #: 575 393-3386		Address: PO Box 1058					
Project #: 575 393-3386		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		Fax #:					
Sampler Name: Bradley Wells		FOR LAB USE ONLY		MATRIX		PRESERV. SAMPLING			
Lab I.D. H22311D Sample I.D.		(G)RAB OR (C)OMP.		GROUNDWATER		DATE			
		# CONTAINERS		WASTEWATER		TIME			
				SOIL		Chloride			
				OIL		TPH			
				SLUDGE		BTEX 8021			
				OTHER :					
				ACID/BASE:					
				ICE / COOL					
				OTHER :					
		51 FL51		C 1		7/15/22		X	
		52 FL52		C 1		7/15/22		X	
		53 FL53		C 1		7/15/22		X	
		54 FL54		C 1		7/15/22		X	
55 FL55		C 1		7/15/22		X			
56 FL56		C 1		7/15/22		X			
57 FL57		C 1		7/15/22		X			
58 FL58		C 1		7/15/22		X			
59 FL59		C 1		7/15/22		X			
60 FL60		C 1		7/15/22		X			

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Relinquished By: *Eli Dominguez* Date: 7/18/22 Time: 2:34

Received By: *Juanita Chavez* Date: _____ Time: _____

Delivered By: (Circle One) Circle One Bus - Other: *-1.32 C.O.L.C* Yes No

Sample Condition: Cool Intact Yes No

Checked By: *VD* (Initials)

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

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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.

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:	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)

BTEX 8021B		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	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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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:	07/18/2022	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



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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 64 (H223111-04)

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	1.85	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	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
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 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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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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)

BTEX 8021B		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	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, 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	07/20/2022	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



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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 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, SM4500Cl-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



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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 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



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Analytical Results For:

Hungry Horse Environmental
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 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)

BTEX 8021B		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	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 71 (H223111-11)

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	1.85	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	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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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)

BTEX 8021B		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	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)

BTEX 8021B		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	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



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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 74 (H223111-14)

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	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	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



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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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



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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 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, SM4500CI-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



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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 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, SM4500CI-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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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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, SM4500Cl-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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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
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 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, SM4500CI-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, SM4500CI-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



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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 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, SM4500CI-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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Analytical Results For:

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 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, 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	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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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, 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	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



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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 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



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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 91 (H223111-31)

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	07/20/2022	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) 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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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, 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	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



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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 93 (H223111-33)

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	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	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



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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 94 (H223111-34)

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	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	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



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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 95 (H223111-35)

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	07/19/2022	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) 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, SM4500CI-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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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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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



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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 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, SM4500CI-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)

BTEX 8021B		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) 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)

BTEX 8021B		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	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



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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 102 (H223111-42)

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	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	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



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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 103 (H223111-43)

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	07/19/2022	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	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



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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 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)

BTEX 8021B		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) 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



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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 107 (H223111-47)

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	1.91	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	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)

BTEX 8021B		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) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 109 (H223111-49)

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	1.91	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) 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, SM4500Cl-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
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 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)

BTEX 8021B		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) 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	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



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Analytical Results For:

Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 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)

BTEX 8021B		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, SM4500Cl-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)

BTEX 8021B		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) 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)

BTEX 8021B		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) 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	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	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 115 (H223111-55)

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	1.91	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) 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)

BTEX 8021B		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) 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



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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 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, 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	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



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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 119 (H223111-59)

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	1.91	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	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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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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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		BILL TO		P.O. #:		ANALYSIS REQUEST				
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC		Address: PO Box 1058						
Address: PO Box 1058		State: NM		Zip: 88241						
City: Hobbs		State: NM		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		Fax #:						
Sampler Name: Bradley Wells		FOR LAB USE ONLY		MATRIX		PRESERV. SAMPLING				
Lab I.D. H22311		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER				
						WASTEWATER				
						SOIL				
						OIL				
						SLUDGE				
						OTHER :				
						ACID/BASE:				
						ICE / COOL				
						OTHER :				
						DATE		TIME		Chloride
1	FL61	C 1	X			7/15/22		X	X	X
2	FL62	C 1	X			7/15/22		X	X	X
3	FL63	C 1	X			7/15/22		X	X	X
4	FL64	C 1	X			7/15/22		X	X	X
5	FL65	C 1	X			7/15/22		X	X	X
6	FL66	C 1	X			7/15/22		X	X	X
7	FL67	C 1	X			7/15/22		X	X	X
8	FL68	C 1	X			7/15/22		X	X	X
9	FL69	C 1	X			7/15/22		X	X	X
10	FL70	C 1	X			7/15/22		X	X	X

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Relinquished By: *Eli Dominguez* Date: *7/18/22* Received By: *Denise Blake* Date: *8/3/22*

Delivered By: (Circle One) *-1.3%* C-D.6% Sample Condition Cool Intact Yes No

Sampler - UPS - Bus - Other: *-1.9%* #113 Yes No

Checked By: (Initials) *YD*

REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileypermian.com

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		P.O. #:		ANALYSIS REQUEST			
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC		State: NM		Zip: 88241			
Address: PO Box 1058		Attn: Daniel Dominguez		Address: PO Box 1058					
City: Hobbs		State: NM		City: Hobbs					
Phone #: 575-393-3386		Fax #:		State: NM		Zip: 88241			
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		Fax #:					
Sampler Name: Bradley Wells		FOR LAB USE ONLY		MATRIX		PRESERV. SAMPLING			
Lab I.D. Sample I.D. HZ23111		(G)RAB OR (C)OMP.		DATE		TIME			
		# CONTAINERS		DATE		TIME			
		GROUNDWATER		DATE		TIME		Chloride	
		WASTEWATER		DATE		TIME		TPH	
		SOIL		DATE		TIME		BTEX 8021	
		OIL		DATE		TIME			
		SLUDGE		DATE		TIME			
		OTHER :		DATE		TIME			
		ACID/BASE:		DATE		TIME			
		ICE / COOL		DATE		TIME			
		OTHER :		DATE		TIME			
		FL71		C 1		7/15/22		X	
		FL72		C 1		7/15/22		X	
		FL73		C 1		7/15/22		X	
		FL74		C 1		7/15/22		X	
		FL75		C 1		7/15/22		X	
		FL76		C 1		7/15/22		X	
		FL77		C 1		7/15/22		X	
		FL78		C 1		7/15/22		X	
		FL79		C 1		7/15/22		X	
FL80		C 1		7/15/22		X			

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Reinquisitioned By: *[Signature]* Date: 7/18/22 Received By: *[Signature]* Date: 7/25/22

Reinquisitioned By: *[Signature]* Date: *[Blank]* Received By: *[Signature]* Date: *[Blank]*

Delivered By: (Circle One) *[-1.3°C] C* -0.6°C Sample Condition Cool Intact Yes No

Sampler - UPS - Bus - Other: *[-1.9°C] #113* Yes No

CHECKED BY: *[Signature]* (Initials) *[Signature]*

REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileypermian.com

Phone Result: Yes No Add'l Phone #: *[Blank]*

Fax Result: Yes No Add'l Fax #: *[Blank]*

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC Project Manager: Daniel Dominguez Address: PO Box 1058 City: Hobbs State: NM Zip: 88241 Phone #: 575 393-3386 Fax #: Project #: Project Owner: Riley Perman Project Name: Montana Junction Riser Project Location: U / O Sec 31 T8S - R34E Sampler Name: Bradley Wells				BILL TO P.O. #: Company: Hungry Horse LLC Attn: Daniel Dominguez Address: PO Box 1058 City: Hobbs State: NM Zip: 88241 Phone #: 575 393-3386 Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	
#22-3111		31 FL81		C 1		7/15/22	
32 FL82		C 1		7/15/22		X	
33 FL83		C 1		7/15/22		X	
34 FL84		C 1		7/15/22		X	
35 FL85		C 1		7/15/22		X	
36 FL86		C 1		7/15/22		X	
37 FL87		C 1		7/15/22		X	
38 FL88		C 1		7/15/22		X	
39 FL89		C 1		7/15/22		X	
30 FL90		C 1		7/15/22		X	
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Relinquished By: <i>Ali Dominguez</i> Date: 7/15/22 Time: 3:35				Received By: <i>James Wells</i> Date: _____ Time: _____			
Delivered By: (Circle One) UPS - Bus - Other: <i>C-D. 62</i> -1.32 -1.92 #113				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>JD</i>	
REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileyperman.com				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 #: _____			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC **BILL TO**

Project Manager: Daniel Dominguez **P.O. #:** Hungry Horse LLC

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: 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	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
422311	31	FL91	C 1	X											
	32	FL92	C 1	X											
	33	FL93	C 1	X											
	34	FL94	C 1	X											
	35	FL95	C 1	X											
	36	FL96	C 1	X											
	37	FL97	C 1	X											
	38	FL98	C 1	X											
	39	FL99	C 1	X											
	40	FL100	C 1	X											

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Relinquished By: *[Signature]* **Date:** 7/15/22 **Received By:** *[Signature]* **Date:** 7/15/22

Delivered By: (Circle One) UPS Bus Other: *UPS* **Sample Condition:** Intact Cool Yes No **CHECKED BY:** *[Signature]*

REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileypermian.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Daniel Dominguez		Company: Hungry Horse LLC		Address: PO Box 1058			
Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241	
City: Hobbs		State: NM		Attn: Daniel Dominguez			
Phone #: 575-393-3386		Fax #:		Address: PO Box 1058			
Project #:		Project Owner: Riley Perman		City: Hobbs			
Project Name: Montana Junction Riser		State: NM		Zip: 88241			
Project Location: UL / O Sec 31 T8S - R34E		Phone #: 575-393-3386		Fax #:			
Sampler Name: Bradley Wells		FOR LAB USE ONLY		PRESERV.		SAMPLING	
Lab I.D. Sample I.D. H223111		(G)RAB OR (C)OMP.		DATE		TIME	
		# CONTAINERS		DATE		TIME	
		GROUNDWATER		DATE		TIME	
		WASTEWATER		DATE		TIME	
		SOIL		DATE		TIME	
		OIL		DATE		TIME	
		SLUDGE		DATE		TIME	
		OTHER :		DATE		TIME	
		ACID/BASE:		DATE		TIME	
		ICE / COOL		DATE		TIME	
		OTHER :		DATE		TIME	
		41 FL101		C 1		7/15/22	
42 FL102		C 1		7/15/22		X	
43 FL103		C 1		7/15/22		X	
44 FL104		C 1		7/15/22		X	
45 FL105		C 1		7/15/22		X	
46 FL106		C 1		7/15/22		X	
47 FL107		C 1		7/15/22		X	
48 FL108		C 1		7/15/22		X	
49 FL109		C 1		7/15/22		X	
50 FL110		C 1		7/15/22		X	

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Relinquished By: *[Signature]* Date: 7/18/22 Received By: *[Signature]* Date: 7/18/22

Delivered By: (Circle One) UPS Bus Other: *UPS* *1.30* *0.00* *1.90* *#113*

Sample Condition: Cool Intact Yes No

REMARKS: Email results to: pm@hungry-horse.com benolszewski@rileyperman.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: Hungry Horse LLC	
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	State: NM
Project Name: Montana Junction Riser		Zip: 88241	Phone #: 575 393-3386
Project Location: UL / O Sec 31 T8S - R34E		Fax #:	
Sampler Name: Bradley Wells			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H223111	57	FL111	C 1	X							7/15/22		X	X	X	
	52	FL112	C 1	X							7/15/22		X	X	X	
	53	FL113	C 1	X							7/15/22		X	X	X	
	54	FL114	C 1	X							7/15/22		X	X	X	
	55	FL115	C 1	X							7/15/22		X	X	X	
	56	FL116	C 1	X							7/15/22		X	X	X	
	57	FL117	C 1	X							7/15/22		X	X	X	
	58	FL118	C 1	X							7/15/22		X	X	X	
	59	FL119	C 1	X							7/15/22		X	X	X	

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Relinquished By: <i>Cl. Dominguez</i>	Date: 7/18/22	Time: 3:38	Received By: <i>Jawana Walker</i>
Delivered By: (Circle One) <u>UPS</u>	Date: 7/18/22	Time: 3:38	Received By: <i>Jawana Walker</i>

Sample Condition	Checked BY: (Initials)
Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	<i>YO</i>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

Email results to: pm@hungry-horse.com
 benoszewski@rileypermian.com

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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 14:38.

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.

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:	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		
Toluene*	0.137	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	
Chloride	80.0	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 72.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 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 2 (H223112-02)

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	07/20/2022	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) 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

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 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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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



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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 7 (H223112-07)

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	1.91	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	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500Cl-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500Cl-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



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Analytical Results For:

Hungry Horse Environmental
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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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



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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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 16 (H223112-16)

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	07/20/2022	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	3.77		

TPH 8015M		mg/kg		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)

BTEX 8021B		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	3.77	

TPH 8015M		mg/kg		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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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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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
Project Manager: Daniel Dominguez
Address: PO Box 1058
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

BILL TO
P.O. #:
Company: Hungry Horse LLC
Attn: Daniel Dominguez
Address: PO Box 1058
City: Hobbs
State: NM **Zip:** 88241
Phone #: 575 393-3386
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H223112															
1	SW1	C	1	X							7/15/22		X	X	X
2	SW2	C	1	X							7/15/22		X	X	X
3	SW3	C	1	X							7/15/22		X	X	X
4	SW4	C	1	X							7/15/22		X	X	X
5	SW5	C	1	X							7/15/22		X	X	X
6	SW6	C	1	X							7/15/22		X	X	X
7	SW7	C	1	X							7/15/22		X	X	X
8	SW8	C	1	X							7/15/22		X	X	X
9	SW9	C	1	X							7/15/22		X	X	X
10	SW10	C	1	X							7/15/22		X	X	X

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Relinquished By: *Eli Dominguez*
Date: 7/15/22
Time: 2:38 PM
Received By: *Samira Alkhatib*
Date: 7/15/22
Time:

Delivered By: (Circle One) *-1.3°C* C - 0.6°C
Sampler - UPS - Bus - Other: *-1.9°C #113*
 Cool Intact
 Yes No
 Yes No

CHECKED BY: *SP*
 (Initials)

REMARKS:
 Email results to: pm@hungry-horse.com
 benoszewski@rileypermian.com

Phone Result: Yes No
Fax Result: Yes No
Add'l Phone #:
Add'l Fax #:

+ 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

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: Hungry Horse LLC	
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
Project #:	Project Owner: Riley Permian	Zip: 88241	Phone #: 575 393-3386
Project Name: Montana Junction Riser	Project Location: U/L O Sec 31 T8S - R34E	Fax #:	
Sampler Name: Bradley Wells			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H723112														
11	SW11	C	1	X					7/15/22		X	X	X	
12	SW12	C	1	X					7/15/22		X	X	X	
13	SW13	C	1	X					7/15/22		X	X	X	
14	SW14	C	1	X					7/15/22		X	X	X	
15	SW15	C	1	X					7/15/22		X	X	X	
16	SW16	C	1	X					7/15/22		X	X	X	
17	SW17	C	1	X					7/15/22		X	X	X	

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Relinquished By: <i>GL Dominguez</i>	Date: 7/18/22	Received By: <i>Janina Wadley</i>
Time: 8:39		
Delivered By: (Circle One) <i>-1.3e</i>	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sampler - UPS - Bus - Other: <i>-1.9e #13</i>		
REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
	Email results to: pm@hungry-horse.com benolszewski@rileypermian.com	
CHECKED BY: (Initials) <i>TD</i>		

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



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.

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.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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

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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 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, SM4500CI-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 4A (H223374-03)

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	08/03/2022	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) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 5A (H223374-04)

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	08/03/2022	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) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 6A (H223374-05)

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	08/03/2022	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 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	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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 10A (H223374-08)

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	08/03/2022	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) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 11A (H223374-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2022	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) 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 13A (H223374-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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
 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 16A (H223374-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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



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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 18A (H223374-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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)

BTEX 8021B		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) 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



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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 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, SM4500CI-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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 24A (H223374-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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	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)

BTEX 8021B		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) 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



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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 28A (H223374-17)

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	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) 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)

BTEX 8021B		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, SM4500CI-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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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)

BTEX 8021B		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) 105 % 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	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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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 31A (H223374-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 105 % 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	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



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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 32A (H223374-21)

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	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) 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



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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 34A (H223374-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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)

BTEX 8021B		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) 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	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



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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 36A (H223374-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2022	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) 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	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



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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 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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Analytical Results For:

Hungry Horse Environmental
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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 41A (H223374-26)

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	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	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, SM4500Cl-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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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



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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 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, 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	08/03/2022	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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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 46A (H223374-31)

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	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) 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, SM4500CI-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
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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 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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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
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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 54A (H223374-36)

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	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) 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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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)

BTEX 8021B		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	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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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	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 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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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, SM4500CI-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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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, SM4500Cl-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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Analytical Results For:

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 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, SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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



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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 66A (H223374-45)

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	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	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



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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 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, SM4500CI-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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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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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 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, SM4500Cl-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



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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 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, SM4500CI-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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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 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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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 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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*=Accredited Analyte

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Riley Permian
 Project Name: Montana Junction Riser
 Project Location: UL/O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #: Company Hungry Horse LLC
 Attn: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:

Lab I.D.	FL #	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H22337B	1	C	1	X						7/29/22		X	X	
	2	C	1	X						7/29/22		X	X	
	3	C	1	X						7/29/22		X	X	
	4	C	1	X						7/29/22		X	X	
	5	C	1	X						7/29/22		X	X	
	4	C	1	X						7/29/22		X	X	
	7	C	1	X						7/29/22		X	X	
	8	C	1	X						7/29/22		X	X	
	9	C	1	X						7/29/22		X	X	
	10	C	1	X						7/29/22		X	X	

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Relinquished By: *[Signature]* Date: 7-29-22
 Received By: *[Signature]* Date: 7/29/22
 Time: 10:35

Delivered By: (Circle One) -0.2e (0.0.6e)
 Sampler - UPS - Bus - Other: -0.8e #1/3
 Sample Condition: Cool Intact
 Checked By: *[Signature]*

REMARKS:
 Email results to: pm@hungry-horse.com
 benolszewski@rileypermian.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name:	Hungry Horse LLC	P.O. #:	
Project Manager:	Daniel Dominguez	Company:	Hungry Horse LLC
Address:	PO Box 1058	Attn:	Daniel Dominguez
City:	Hobbs	State:	NM
Phone #:	575 393-3386	Fax #:	
Project #:		Project Owner:	Riley Permian
Project Name:	Montana Junction Riser	State:	NM
Project Location:	UL/O Sec 31 T8S - R34E	Phone #:	575 393-3386
Sampler Name:	Bradley Wells	Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
11	FL16a	C	1	X							7/29/22		X	X	X	
12	FL18a	C	1	X							7/29/22		X	X	X	
13	FL19a	C	1	X							7/29/22		X	X	X	
14	FL20a	C	1	X							7/29/22		X	X	X	
15	FL24a	C	1	X							7/29/22		X	X	X	
16	FL27a	C	1	X							7/29/22		X	X	X	
17	FL28a	C	1	X							7/29/22		X	X	X	
18	FL29a	C	1	X							7/29/22		X	X	X	
19	FL30a	C	1	X							7/29/22		X	X	X	
20	FL31a	C	1	X							7/29/22		X	X	X	

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Relinquished By:	Date:	Received By:	Date:
<i>B. Wells</i>	7-29-22	<i>Benjamin Wells</i>	7-29-22
Relinquished By:	Time:	Received By:	Time:
	10:35		

Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	<i>Ben</i>
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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

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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		City: Hobbs		State: NM		Zip: 88241		Attn: Daniel Dominguez		Address: PO Box 1058	
Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575 393-3386		Fax #: _____		Project Owner: Riley Permian	
Phone #: 575 393-3386		Project #: _____		Project Name: Montana Junction Riser		Project Location: UL/O Sec 31 T8S - R34E		Sampler Name: Bradley Wells		FOR LAB USE ONLY		Date: _____	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H223374			1	X							7/29/22		X			
81	FL32a	C	1	X							7/29/22		X			
82	FL34a	C	1	X							7/29/22		X			
83	FL35a	C	1	X							7/29/22		X			
84	FL36a	C	1	X							7/29/22		X			
85	FL37a	C	1	X							7/29/22		X			
86	FL41a	C	1	X							7/29/22		X			
87	FL42a	C	1	X							7/29/22		X			
88	FL43a	C	1	X							7/29/22		X			
89	FL44a	C	1	X							7/29/22		X			
90	FL45a	C	1	X							7/29/22		X			

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Relinquished By: _____	Date: 7/29/22	Received By: _____	Date: 7/29/22
Delivered By: (Circle One) _____	Time: 10:35	Sample Condition	CHECKED BY: _____
Sampler - UPS - Bus - Other: _____	Time: _____	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials) _____
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		P.O. #: _____	
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
Project #: _____	Project Owner: Riley Permian	Zip: 88241	Phone #: 575 393-3386
Project Name: Montana Junction Riser	Project Location: UL/O Sec 31 T8S - R34E	Fax #: _____	
Sampler Name: Bradley Wells			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H223374	FL46a	C	1	X						7/29/22		X	X	
	FL49a	C	1	X						7/29/22		X	X	
	FL50a	C	1	X						7/29/22		X	X	
	FL51a	C	1	X						7/29/22		X	X	
	FL53a	C	1	X						7/29/22		X	X	
	FL54a	C	1	X						7/29/22		X	X	
	FL55a	C	1	X						7/29/22		X	X	
	FL56a	C	1	X						7/29/22		X	X	
	FL58a	C	1	X						7/29/22		X	X	
	FL59a	C	1	X						7/29/22		X	X	

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Relinquished By: <i>B. W. O. L.</i>	Date: 7-29-22	Received By: <i>Benjamin W. O. L.</i>
Time: 16:35		
Date: _____	Time: _____	Received By: _____

Delivered By: (Circle One) <i>-D.2c</i>	Sample Condition	CHECKED BY: <i>YD</i>
Sampler - UPS - Bus - Other: <i>-D.8c #113</i>	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

REMARKS:
 Email results to: pm@hungry-horse.com
 benolszewski@rileypermian.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Riley Permian
 Project Name: Montana Junction Riser
 Project Location: UL/O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #:
 Company: Hungry Horse LLC
 Attn: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs
 State: NM Zip: 88241
 Phone #: 575 393-3386
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H223374																
41	FL60a	C	1	X							7/29/22		X	X	X	
42	FL63a	C	1	X							7/29/22		X	X	X	
43	FL64a	C	1	X							7/29/22		X	X	X	
44	FL65a	C	1	X							7/29/22		X	X	X	
45	FL66a	C	1	X							7/29/22		X	X	X	
46	FL67a	C	1	X							7/29/22		X	X	X	
47	FL82a	C	1	X							7/29/22		X	X	X	
48	FL83a	C	1	X							7/29/22		X	X	X	
49	FL90a	C	1	X							7/29/22		X	X	X	
50	FL97a	C	1	X							7/29/22		X	X	X	

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Relinquished By: *[Signature]* Date: 7/29/22
 Received By: *[Signature]* Date: 7/29/22
 Time: 10:35
 Sample Condition: Cool Intact
 Yes No

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

Delivered By: (Circle One)
 -0.2°C -0.6°C
 -0.8°C #113
 Checked By: *[Signature]*

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse LLC
 Project Manager: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386 Fax #:
 Project #: Project Owner: Riley Permian
 Project Name: Montana Junction Riser
 Project Location: UL/ O Sec 31 T8S - R34E
 Sampler Name: Bradley Wells
 P.O. #: Company: Hungry Horse LLC
 Attn: Daniel Dominguez
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575 393-3386
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX 8021
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H223374	FL98a	C	1			X								
51									7/29/22					

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Relinquished By: *[Signature]* Date: 7-29-22
 Received By: *[Signature]* Date: 7-29-22
 Time: 10:35 AM
 Refinquired By: *[Signature]* Received By: *[Signature]*

Delivered By: (Circle One) *C-O* *602*
 Sampler - UPS - Bus - Other: *-0.22* *-0.80* #113
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*

REMARKS:
 Email results to: pm@hungry-horse.com
 benolszewski@rileypermian.com
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

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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.

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, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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)

BTEX 8021B		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, 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

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:	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)

BTEX 8021B		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	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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*=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 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



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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 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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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



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 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, SM4500CI-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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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

**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: <u>Ben Olszewski</u>	Title: <u>EH&S Manager</u>
Signature: <u></u>	Date: <u>4/17/2022</u>
email: <u>benolszewski@rileypermin.com</u>	Telephone: <u>405-415-8927</u>
OCD Only Received by: <u>Jocelyn Harimon</u> 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