



Remediation Summary and Closure Request

**BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
Lea County, New Mexico**

**Unit Letter "K", Section 16, Township 16 South, Range 36 East
Latitude 32.920821 North, Longitude 103.361866 West
NMOCD Incident # nAPP2406421795**

Prepared For:

BTA Oil Producers, LLC
104 S. Pecos St.
Midland, TX 79701

Prepared By:

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

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Bradley Wells

Bradley Wells
Project Manager
bwells@hungry-horse.com

Daniel Dominguez

Daniel Dominguez
Environmental Manager
ddominguez@hungry-horse.com

Table Of Contents

Background	1
NMOCD Site Classification	1
Delineation and Remediation Activities	2
Sampling Procedure and Identification	2
Restoration, Reclamation, and Re-Vegetation	3
Closure Request	3
Limitations	3
Distribution	4

Figures

- Figure 1 – Topographic Map
- Figure 2 – OSE POD Locations Map
- Figure 3 – USGS Well Locations Map
- Figure 4 – Delineation Sample Map
- Figure 5 – Excavation Floor Sample Map
- Figure 6 – Excavation Sidewall Sample Map

Tables

- Table 1 – Summary of Soil Sample Laboratory Analytical Results

Attachments

- Attachment I – Karst, Wetland, and Soil Maps
- Attachment II – NMOCD Correspondence
- Attachment III – Depth to Groundwater
- Attachment IV – Site Photographs
- Attachment V – Field Data
- Attachment VI – Laboratory Analytical Results



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 K (NE/SW), Section 16, Township 16 South, Range 36 East, approximately half a mile South of Lovington, in Lea County, New Mexico. The property is located on private land. 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 high-pressure line; Latitude 32.920821 North, Longitude 103.361866 West. The Initial NMOCD C-141 indicated that on March 3, 2024 approximately 30 bbls of produced water were released when the polyline split due to overpressure. A crew was dispatched to the release site and the line was repaired. 10 bbls were recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Permitting Portal.

NMOCD Site Classification:

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

Four water wells were located within a half mile of the release area, with groundwater depths ranging from sixty-one to sixty-five feet bgs. Therefore, depth to groundwater was determined to be 50-100 feet bgs. However, as the site is located in an Erosional Karst designated area, the site will be reclaimed according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

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

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of reclamation. Web Soil Survey indicates the area is located in the Slaughter loam land complex comprised of loam and clay soils with 0 to 1 percent slopes. Landowner approved seed mixture will be utilized for seeding the area after reclamation activities are complete.



Delineation and Remediation Activities:

On March 7, 2024, Hungry Horse conducted an initial site assessment consisting of photographing and mapping the release area. On March 18, 2024 Hungry Horse personnel conducted delineation sampling. During sampling, sample test trenches were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. In addition, sample test trenches were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the sample test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment IV, twenty-two representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP6, 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 SP6, at Surface, which exhibited chloride and/or TPH concentrations in excess of NMOCD Closure Criteria.

From August 1-20, 2024, the release area was excavated. Excavated contaminated soil was temporarily stockpiled onsite, within the release area, before transport to an NMOCD approved disposal facility. Site photographs are provided as Attachment IV. On August 21, 2024, Hungry Horse LLC notified NMOCD that one-hundred closure samples would be collected on August 26, 2024. Correspondence is provided as Attachment II.

On August 26, 2024, one hundred composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL78 and SW1 through SW22, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The excavated area measured approximately fifteen thousand six hundred square feet, and four to six feet in depth. During remediation activities approximately 3,000 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

Delineation Sample Map, Excavation Sample Map, and Excavation Sidewall Sample Map are provided as Figure 4, Figure 5, and Figure 6, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Sampling Procedure and Identification:

During confirmation sampling, five-point composite soil samples were collected from the floor of the excavation, with each collected sample representing an area no greater than 200 square



feet. These sample locations are identified by FL designation. Five-point composite soil samples were also collected from the sidewalls of the excavation, with each collected sample representing an area no greater than 200 square feet. These sample locations are identified by SW designation. Sidewall samples were collected from surface to excavation floor. Excavation sidewall samples SW19 through SW22 were collected as five-point composite samples collected from the interior sidewalls of the excavation, where the excavation depth changed.

Restoration, Reclamation, and Re-Vegetation:

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

The affected area will be seeded, via at double the recommended rate, with landowner approved seed mixture, free of noxious weeds. The reclaimed area will be watered to aid in seed germination.

A re-vegetation report will be submitted for approval when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds.

Closure Request:

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

Based on laboratory analytical results, BTA Oil Producers, LLC respectfully requests closure of the Capitan Alpha Vindicator Line location, nAPP2335450194.

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:

BTA Oil Producers, LLC

104 S. Pecos St.
Midland, TX 79701

New Mexico Energy, Minerals and Natural Resources Department

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

Richard Choate

2200 W Ave. J
Lovington, NM 88260

Figures

**Figure 1**

Topographic Map
 BTA Oil Producers, LLC
 Capitan Alpha Vindicator Line
 GPS: 32.920821, -103.361866
 Lea County

Legend:

- Capitan Alpha Vindicator Line Location

Drafted: dd
 Checked: bw
 Date: 3/7/24



**Figure 2**

OSE POD Locations Map
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
GPS: 32.920821, -103.361866
Lea County

Legend:

- Capitan Alpha Vindicator Line Location
- Active OSE Water Well
- Inactive OSE Water Well

Drafted: dd
Checked: bw
Date: 3/7/24



**Figure 3**

USGS Well Locations Map
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
GPS: 32.920821, -103.361866
Lea County

Legend:

- Capitan Alpha Vindicator Line Location
- USGS Well Location

Drafted: dd
Checked: bw
Date: 3/7/24



**Figure 4**

Delineation Sample Map
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
GPS: 32.920821, -103.361866
Lea County

Legend:

- Release Area
 SP1 Delineation Sample Location

Drafted: dd
Checked: bw
Date: 3/15/24



**Figure 5**

Excavation Sample Map
 BTA Oil Producers, LLC
 Capitan Alpha Vindicator Line
 GPS: 32.920821, -103.361866
 Lea County

Legend:

- Excavated Area
- FL1 Composite Confirmation Floor Sample Location

Drafted: dd
 Checked: bw
 Date: 8/23/24



**Figure 6**

Excavation Sidewall Map
 BTA Oil Producers, LLC
 Capitan Alpha Vindicator Line
 GPS: 32.920821, -103.361866
 Lea County

Legend:

- Excavated Area
 SW1 Composite Confirmation Sidewall Sample Location



Drafted: dd
 Checked: bw
 Date: 8/23/24

Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
NMOCD Ref. #: nAPP2406421795

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	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	10.2	<20.0	<10.0	<30.0	12,000
	3/18/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP2	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,100
	3/18/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SP3	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,700
	3/18/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP4	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	205	205	69.6	274.6	93,300
	3/18/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP5	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	25.2	25.2	<10.0	<30.0	84,000
	3/18/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SP6	3/18/24	Surf	Excavated	<0.050	<0.300	<10.0	86.5	86.5	31.2	117.7	68,000
	3/18/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HZ1	3/18/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
	3/18/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
HZ2	3/18/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	3/18/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ3	3/18/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	3/18/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ4	3/18/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	3/18/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
HZ5	3/18/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	3/18/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
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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	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL2	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL4	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL5	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL6	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL7	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL8	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL9	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL10	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL11	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL12	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL13	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL14	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL15	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL16	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL17	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL18	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL19	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL20	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL21	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL22	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL23	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL24	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL25	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL26	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL27	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL28	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL29	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL30	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL31	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL32	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL33	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL34	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL35	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL36	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL37	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL38	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL39	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL40	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

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
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
NMOCD Ref. #: nAPP2406421795

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)
FL41	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL42	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL43	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL44	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL45	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL46	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL47	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL48	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL49	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL50	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL51	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL52	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL53	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL54	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL55	8/26/24	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL56	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL57	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL58	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL59	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL60	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL61	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL62	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL63	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL64	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL65	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL66	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL67	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL68	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL69	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL70	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL71	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL72	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL73	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL74	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL75	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL76	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL77	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL78	8/26/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW1	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW2	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

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
BTA Oil Producers, LLC
Capitan Alpha Vindicator Line
NMOCD Ref. #: nAPP2406421795

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)
SW3	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW4	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW6	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW7	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW8	8/26/24	0-4	In-Situ	<0.050	0.397	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW9	8/26/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW10	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW11	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW12	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW13	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW14	8/26/24	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW15	8/26/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW16	8/26/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW17	8/26/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW18	8/26/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW19	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW20	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW21	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW22	8/26/24	4-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Topsoil	10/30/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
Caliche	10/30/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

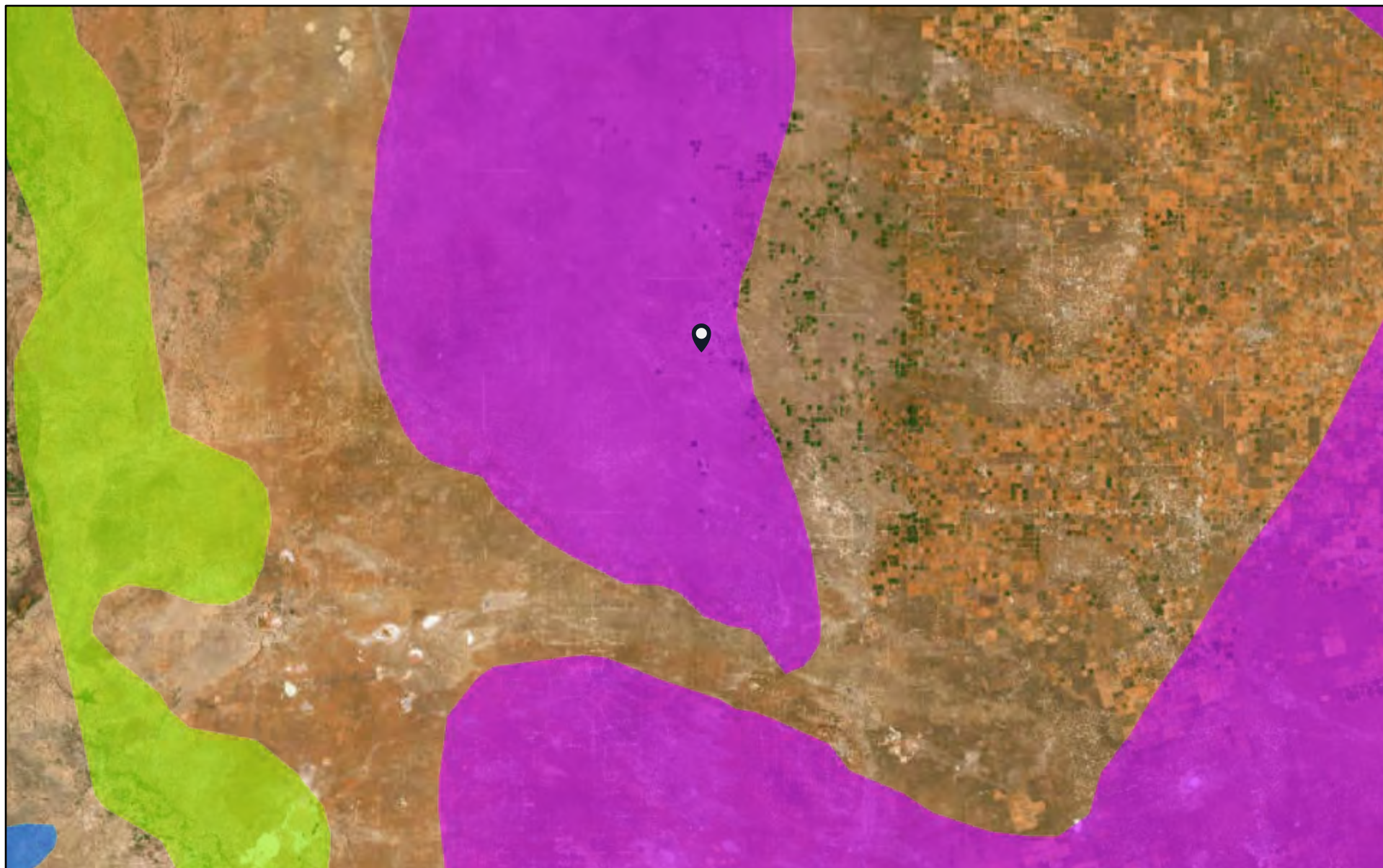
- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

Karst, Wetland, and Soil Maps

Capitan Alpha Vindicator Line



3/7/2024

Karst Type

- Carbonate
- Erosional
- Gypsum



Volcanic

World Imagery

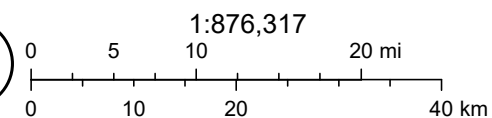
Low Resolution 15m Imagery

High Resolution 60cm Imagery

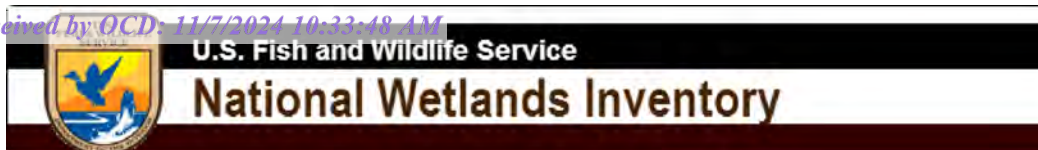
High Resolution 30cm Imagery

Citations

150m Resolution Metadata



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



Capitan Alpha Vindicator Line



March 7, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

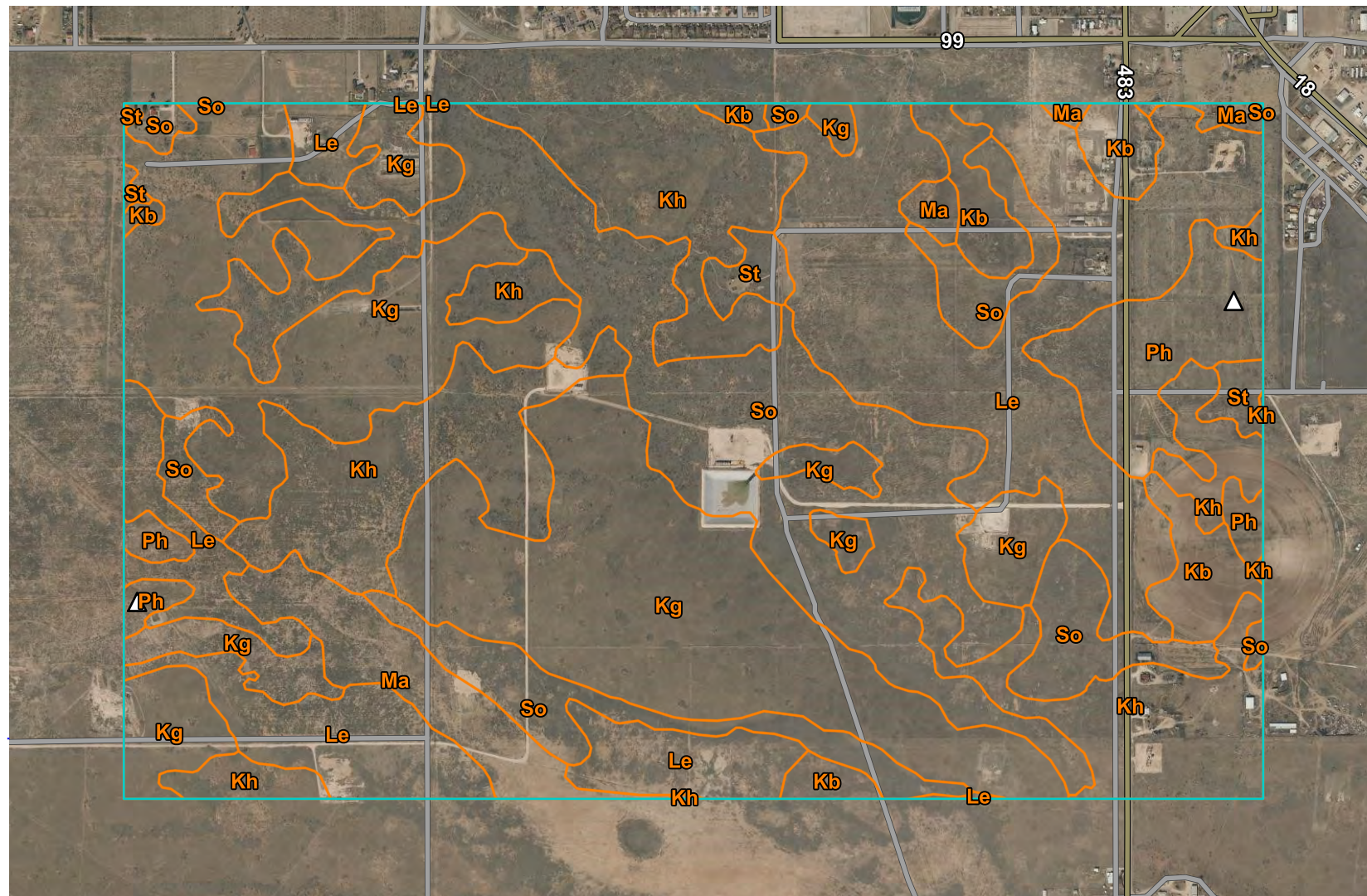
- Lake
- Other
- Riverine

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

Soil Map—Lea County, New Mexico
(Capitan Alpha Vindicator Line)

32° 55' 48" N

32° 55' 48" N



32° 54' 41" N

32° 54' 41" N

103° 22' 44" W



Map Scale: 1:14,600 if printed on A landscape (11" x 8.5") sheet.

0 200 400 800 1200 Meters

0 500 1000 2000 3000 Feet

Map projection: Web Mercator Corner coordinates: WGS84

103° 20' 41" W

Natural Resources
Conservation ServiceWeb Soil Survey
National Cooperative Soil Survey10/30/2024
Page 1 of 3

Soil Map—Lea County, New Mexico
(Capitan Alpha Vindicator Line)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Kb	Kimbrough loam, 0 to 1 percent slopes	40.3	3.8%
Kg	Kimbrough gravelly loam, 0 to 3 percent slopes	301.3	28.3%
Kh	Kimbrough-Lea complex, 0 to 3 percent slopes	180.4	16.9%
Le	Lea loam	220.0	20.6%
Ma	Mansker loam, 0 to 1 percent slopes	39.1	3.7%
Ph	Portales loam, 0 to 1 percent slopes	46.9	4.4%
So	Slaughter loam, 0 to 1 percent slopes	225.5	21.2%
St	Stegall loam, 0 to 1 percent slopes	12.3	1.2%
Totals for Area of Interest		1,065.8	100.0%

Lea County, New Mexico

So—Slaughter loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2tw2f

Elevation: 2,600 to 5,300 feet

Mean annual precipitation: 16 to 21 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 185 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Slaughter and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Slaughter

Setting

Landform: Plains

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

A - 0 to 7 inches: loam

Bt - 7 to 17 inches: clay

Bkkm - 17 to 39 inches: cemented material

BCkk - 39 to 80 inches: extremely gravelly fine sandy loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 92 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): 4s

Land capability classification (nonirrigated): 4s

Map Unit Description: Slaughter loam, 0 to 1 percent slopes---Lea County, New Mexico

Capitan Alpha Vindicator Line

Hydrologic Soil Group: D
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Minor Components

Sharvana

Percent of map unit: 6 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Friona

Percent of map unit: 5 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Stegall

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Attachment II

NMOCD Correspondence

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

QUESTIONS

Action 376271

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 376271
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406421795
Incident Name	NAPP2406421795 CAPITAN ALPHA VINDICATOR WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2318130787] Vindicator 3 Tank Battery

Location of Release Source

Site Name	Capitan Alpha Vindicator Water Line
Date Release Discovered	03/03/2024
Surface Owner	Private

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	15,600
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/26/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639 78 floor and 22 sidewall
Please provide any information necessary for navigation to sampling site	32.920821, -103.361866

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CONDITIONS

Action 376271

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 376271
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
btahungry	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/21/2024

Attachment III

Depth to Groundwater



New Mexico Office of the State Engineer




Wells With Well Log Information

(A CLW##### in the
POD suffix indicates the
POD has been replaced &
no longer serves a water right file.)
(R=POD has been replaced,
O=orphaned, C=the file is closed)
(quarters are 1=NW
2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(meters)

(in feet)

POD Number	Code	Sub basin	County	Source	Q64	Q16	Q4	Sec	Tw	Range	X	Y	Distance	Start Date	Finish Date	Log File Date	Borehole Depth	Depth Water First Encountered	Driller	License Number
L 00409	R	L	LE	Shallow		SW	NE	16	16S	36E	653576.0	3644048.0 * 	532	1949-09-26	1949-09-28	1949-10-13	85		RAY L. TATUM	33
L 00409 POD4		L	LE	Shallow	NW	SW	NE	16	16S	36E	653475.0	3644147.0 * 	540	1955-10-01	1955-10-03	1956-01-12	193	65	CAYTON, JACK/BACKUS	183
L 03318		L	LE	Shallow	NW	SW	NE	16	16S	36E	653475.0	3644147.0 * 	540	1956-09-30	1956-09-30	1957-09-25	85		CLAYTON AND PORTER DRILLING	

Record Count: 3

UTM Filters (in meters):

Easting: 653172.80
Northing: 3643699.45
Radius: 805


* UTM location was derived from PLSS - see Help

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

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
	L 03318	NW	SW	NE	16	16S	36E	653475.0	3644147.0 *	

* UTM location was derived from PLSS - see Help


Driller License:		Driller Company:	
Driller Name:		CLAYTON AND PORTER DRILLING	
Drill Start Date:	1956-09-30	Drill Finish Date:	1956-09-30
		Plug Date:	
Log File Date:	1957-09-25	PCW Rcv Date:	1957-09-25
		Source:	Shallow
Pump Type:		Pipe Discharge Size:	Estimated Yield:
Casing Size:	7.00	Depth Well:	85
		Depth Water:	

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.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
	L 00409 POD4	NW	SW	NE	16	16S	36E	653475.0	3644147.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	183	Driller Company:	CAYTON WATER WELL DRILLING CO		
Driller Name:	CAYTON, JACK/BACKUS				
Drill Start Date:	1955-10-01	Drill Finish Date:	1955-10-03	Plug Date:	
Log File Date:	1956-01-12	PCW Rcv Date:	1957-01-09	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	8	Estimated Yield:	700
Casing Size:	14.00	Depth Well:	193	Depth Water:	65

Water Bearing Stratifications:

Top	Bottom	Description
72	87	Sandstone/Gravel/Conglomerate
89	107	Sandstone/Gravel/Conglomerate
108	122	Sandstone/Gravel/Conglomerate
123	137	Sandstone/Gravel/Conglomerate
185	188	Other/Unknown

Casing Perforations:

Top	Bottom
101	192

Meter Information

Meter Number:	17958	Meter Make:	MCCROMETER
Meter Serial Number:	07220246	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2017-01-31	2017	385040.290	A	ap		0.000	
2017-11-11	2017	0.000	A	ap	new installment on meterrepair	0.000	
2017-11-30	2017	3525.890	A	ap		4.545	
2017-12-31	2017	249682.220	A	ap		317.279	
2018-02-28	2018	397466.100	A	ap		190.483	
2018-03-31	2018	398430.700	A	ap		1.243	
2018-04-30	2018	403021.500	A	ap		5.917	
2018-05-31	2018	408742.710	A	ap		7.374	
2018-06-30	2018	408742.710	A	ap		0.000	
2018-07-31	2018	408742.710	A	ap		0.000	
2018-09-30	2018	408742.710	A	ap		0.000	
2018-10-31	2018	408742.710	A	ap		0.000	
2018-11-30	2018	408742.710	A	ap		0.000	
2018-12-31	2018	408742.710	A	ap		0.000	
2019-01-31	2019	408742.710	A	ap		0.000	
2019-02-28	2019	408852.350	A	ap		0.141	
2019-03-31	2019	408852.350	A	ap		0.000	
2019-04-30	2019	408852.350	A	ap		0.000	
2019-05-30	2019	408852.350	A	ap		0.000	
2019-06-30	2019	408852.350	A	ap		0.000	
2019-07-31	2019	408852.350	A	ap		0.000	
2019-09-30	2019	408852.350	A	ap		0.000	
2019-10-31	2019	408852.350	A	ap		0.000	
2019-11-30	2019	408852.350	A	ap		0.000	
2019-12-31	2019	408852.350	A	ap		0.000	
2020-01-31	2020	408852.350	A	ap		0.000	
2020-02-29	2020	408852.350	A	ap		0.000	
2020-03-31	2020	409215.390	A	ap		0.468	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2020-04-30	2020	409215.390	A	ap		0.000	
2020-05-31	2020	409215.390	A	ap		0.000	
2020-07-31	2020	409215.390	A	ap		0.000	
2020-09-14	2020	0.000	A	dd		0.000	
2020-09-30	2020	14101.000	A	dd		4.327	
2020-10-31	2020	14101.000	A	dd		0.000	
2020-11-30	2020	19688.000	A	dd		1.715	
2020-12-31	2020	19688.000	A	dd		0.000	
2021-02-28	2021	19688.000	A	dd		0.000	
2021-03-31	2021	19688.000	A	dd		0.000	
2021-04-30	2021	19688.000	A	dd		0.000	
2021-05-31	2021	19688.000	A	dd		0.000	
2021-06-30	2021	24386.000	A	dd		1.442	
2021-07-31	2021	24386.000	A	dd		0.000	
2021-08-31	2021	24386.000	A	dd		0.000	
2022-01-31	2022	24386.000	A	dd		0.000	
2022-02-28	2022	24386.000	A	dd		0.000	
2022-03-31	2022	24386.000	A	dd		0.000	
2022-04-30	2022	24386.000	A	dd		0.000	
2022-05-31	2022	24386.000	A	dd		0.000	
2022-07-31	2022	24520.000	A	dd		0.041	
2022-08-31	2022	24520.000	A	dd		0.000	
2022-09-30	2022	24520.000	A	dd		0.000	
2022-10-31	2022	24520.000	A	dd		0.000	
2022-11-30	2022	24520.000	A	dd	WELL IS OUT OF SERVICE	0.000	
2023-01-31	2023	24520.000	A	jb		0.000	
2023-03-01	2023	24520.000	A	jb		0.000	
2023-04-01	2023	24520.000	A	jb		0.000	
2023-05-01	2023	24520.000	A	jb		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2023-05-31	2023	24520.000	A	jb		0.000	
2023-06-30	2023	24520.000	A	jb		0.000	
2023-07-31	2023	24520.000	A	jb		0.000	
2023-08-31	2023	24520.000	A	jb		0.000	
2023-09-30	2023	24520.000	A	jb		0.000	
2023-10-31	2023	44155.000	A	jb		6.026	
2023-11-30	2023	8405977.400	A	jb		0.000	
2023-12-31	2023	8405977.400	A	jb		0.000	
2024-01-31	2024	18718114.000	A	jb		31.647	
2024-02-29	2024	29618048.000	A	jb		33.451	
2024-03-31	2024	29618048.000	A	RPT		0.000	

YTD Meter Amounts:


Year	Amount
2017	321.824
2018	205.017
2019	0.141
2020	6.510
2021	1.442
2022	0.041
2023	6.026
2024	65.098

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.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	L 00409		SW	NE	16	16S	36E	653576.0	3644048.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	33	Driller Company:	TATUM CLAUDE E.		
Driller Name:	RAY L. TATUM				
Drill Start Date:	1949-09-26	Drill Finish Date:	1949-09-28	Plug Date:	
Log File Date:	1949-10-13	PCW Rcv Date:	1949-11-02	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	8	Estimated Yield:	1000
Casing Size:	16.00	Depth Well:	85	Depth Water:	

Water Bearing Stratifications:

Top	Bottom	Description
55	56	Other/Unknown
65	67	Other/Unknown
81	85	Other/Unknown

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Geographic Area:

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 325521103212101

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 325521103212101 16S.36E.16.231113

Lea County, New Mexico
Latitude 32°55'31", Longitude 103°21'33" NAD27
Land-surface elevation 3,908.00 feet above NGVD29
The depth of the well is 193 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measur
1961-02-16			D 62610		3841.80	NGVD29	1	Z		
1961-02-16			D 62611		3843.20	NAVD88	1	Z		
1961-02-16			D 72019	66.20			1	Z		
1966-03-03			D 62610		3837.70	NGVD29	1	Z		
1966-03-03			D 62611		3839.10	NAVD88	1	Z		
1966-03-03			D 72019	70.30			1	Z		
1971-02-19			D 62610		3839.42	NGVD29	1	Z		
1971-02-19			D 62611		3840.82	NAVD88	1	Z		
1971-02-19			D 72019	68.58			1	Z		
1976-03-10			D 62610		3839.28	NGVD29	1	Z		
1976-03-10			D 62611		3840.68	NAVD88	1	Z		
1976-03-10			D 72019	68.72			1	Z		
1981-03-31			D 62610		3842.80	NGVD29	1	Z		
1981-03-31			D 62611		3844.20	NAVD88	1	Z		
1981-03-31			D 72019	65.20			1	Z		
1986-02-26			D 62610		3840.86	NGVD29	1	Z		
1986-02-26			D 62611		3842.26	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1986-02-26			D	72019	67.14			1	Z	
1991-02-27			D	62610	3846.67	NGVD29		1	Z	
1991-02-27			D	62611	3848.07	NAVD88		1	Z	
1991-02-27			D	72019	61.33			1	Z	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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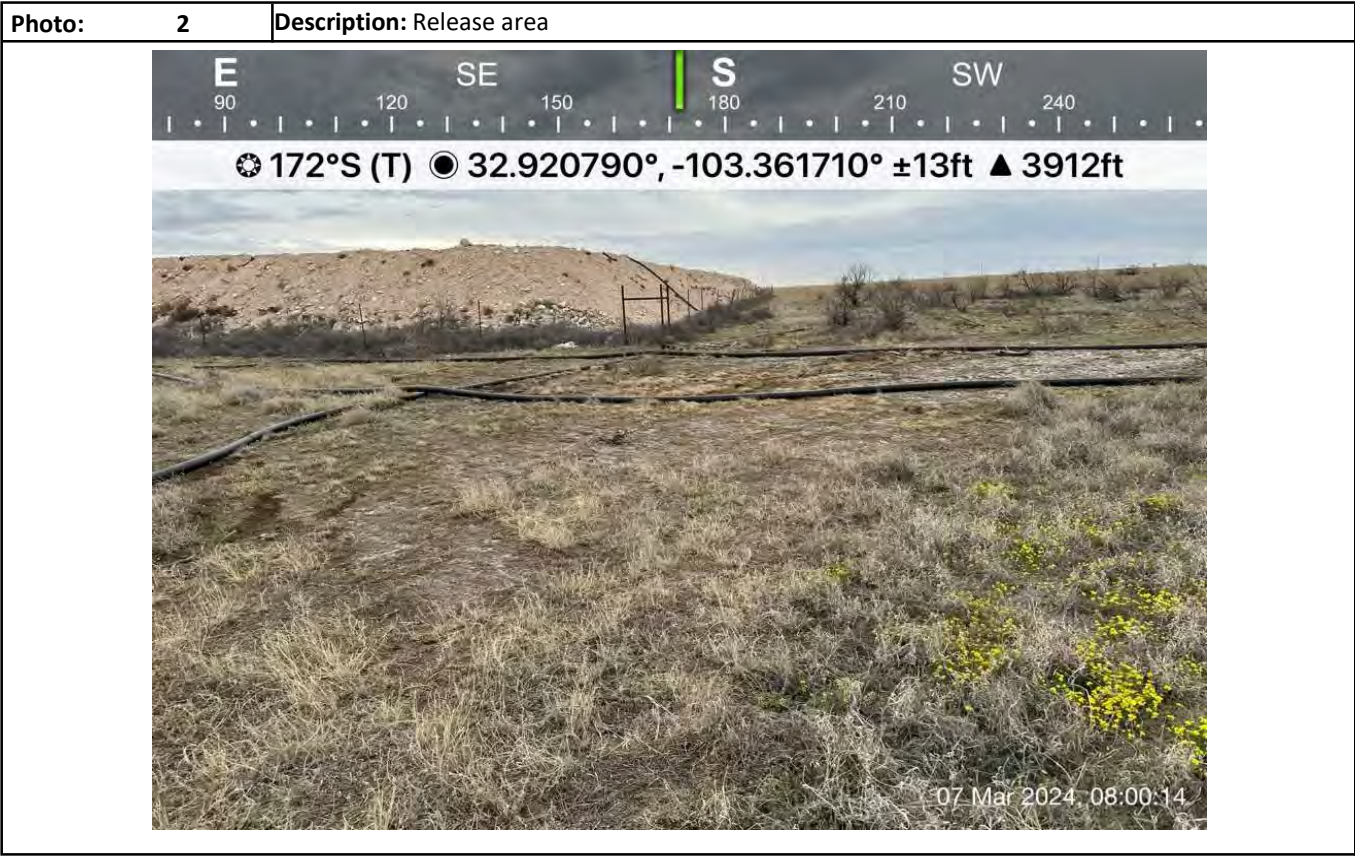
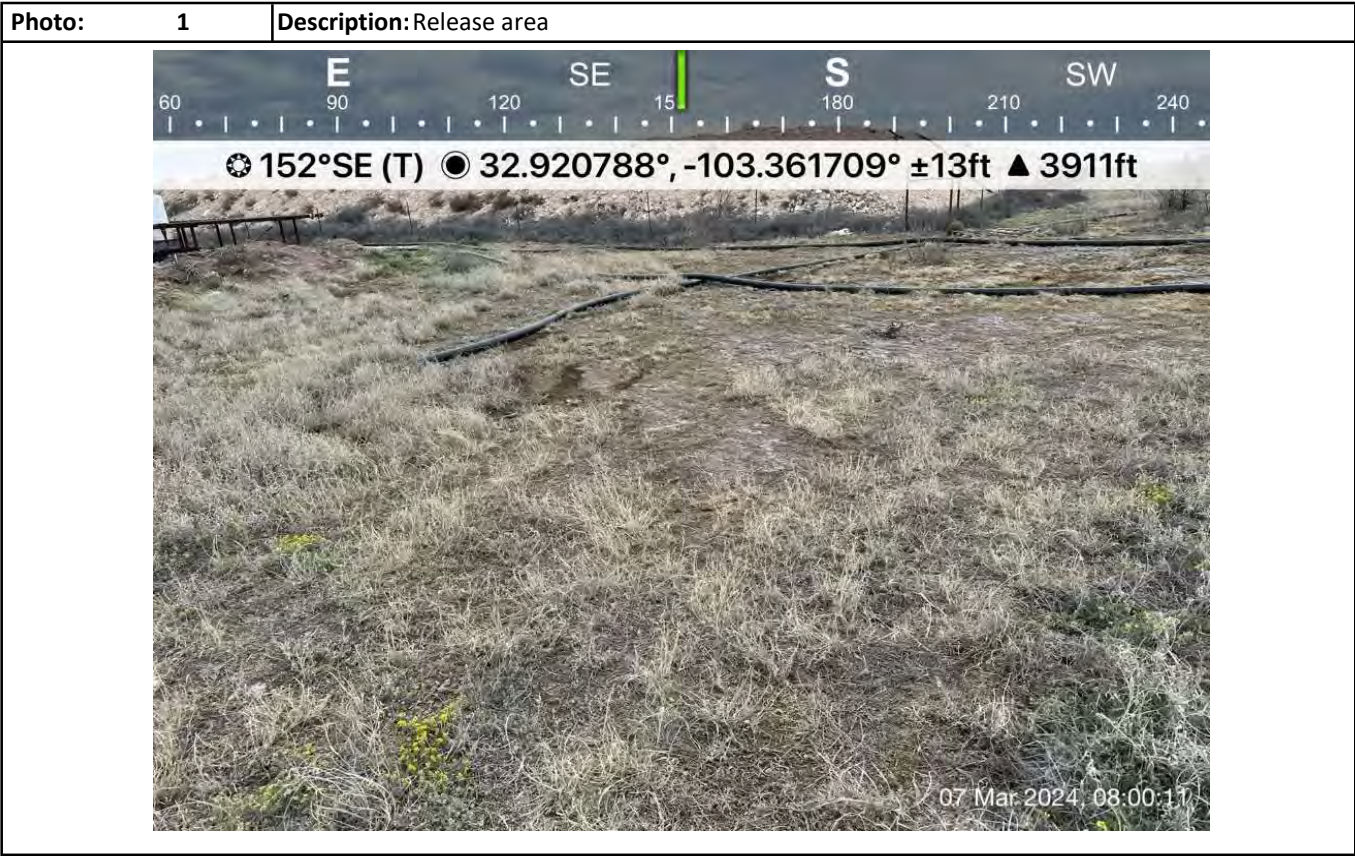
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0.32 0.23 nadww01

Attachment IV Site Photographs

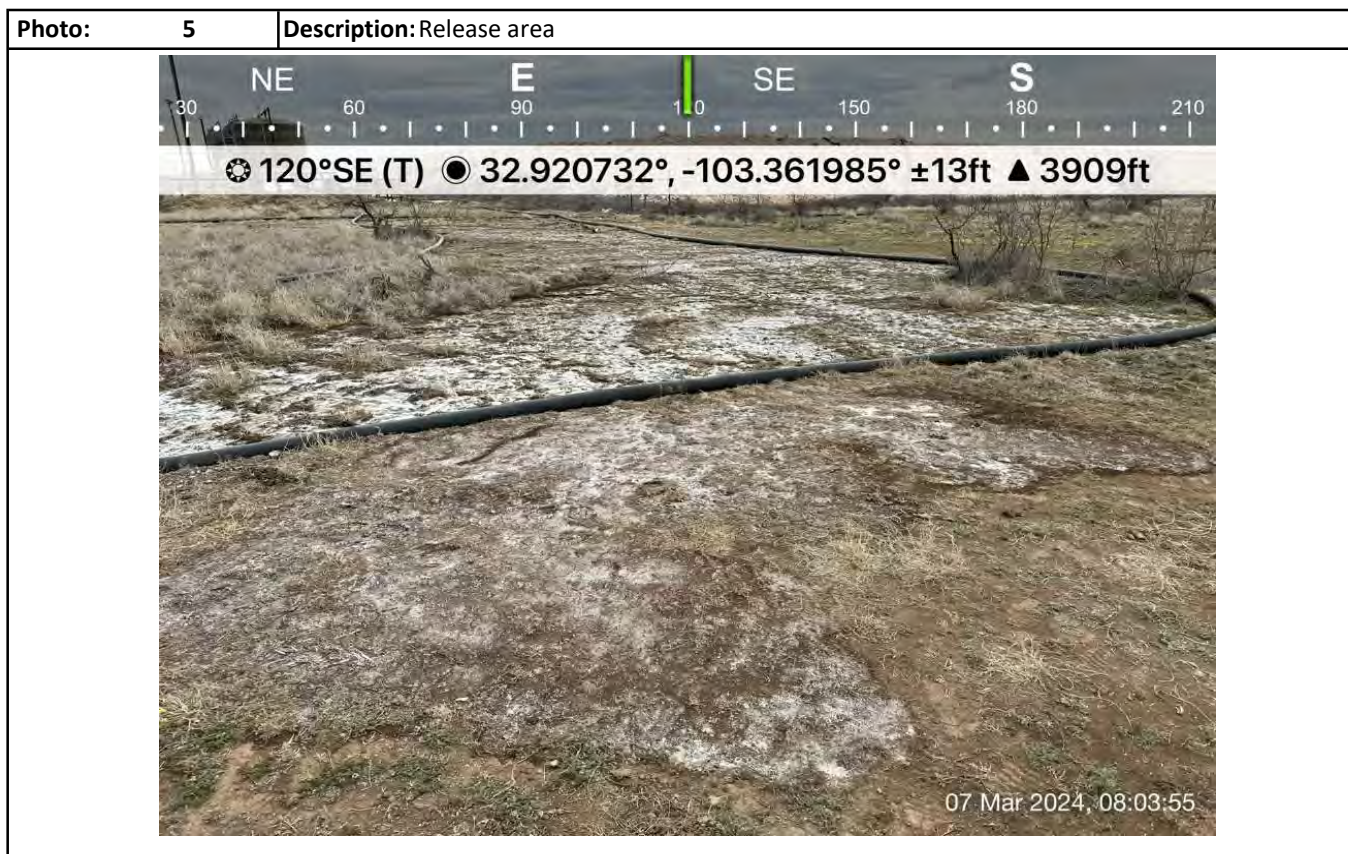
Photographs



Photographs



Photographs



Photographs



Photographs

Photo:	9	Description: Excavation
		

Photo:	10	Description: Excavation
		

Photographs



Photographs



Photographs



Photographs



Photographs



Attachment V

Field Data

Sample Log

Hungry Horse, LLC

Project: DKD Disposal Line

Karst: No Water: 50-100'Standard: TPH 100mg/kg, Chloride 600mg/kgDate: 03-18-2024GPS: 32.920821, -103.361866Sampler: Jerry Heidelberg / Shane L.

Sample ID	Depth	PID/Odor	Chloride	GPS
HZ1	Surf	No	2.0 @ 49X4 = 196	
	1'		1.8 @ 43X4 = 172	
HZ2	Surf		1.4 @ 30X4 = 120	
	1'		1.2 > 100	
HZ3	Surf		1.4 @ 30X4 = 120	
	1'		1.2 @ > 100	
HZ4	Surf		1.4 @ 30X4 = 120	
	1'		1.2 > 100	
HZ5	Surf		1.4 @ 30X4 = 120	
	1'		1.2 > 100	
SP1	Surf	Yes	6.8 @ 192X4 = 7716	
	1'	Little	5.2 @ 1051X4 = 4204	Hit Rock
	2'		7.4 @ 574X4 = 22,296	
	3'		4.2 @ 174X4 = 696	Hit Rock
	4'		3.0 @ 92X4 = 368	
	6'			
	8'			
	10'			
SP2	Surf	Yes	8.2 @ 342X4 = 13,744	
	1'		5.6 @ 1225X4 = 4900	
	2'		2.4 @ 279X4 = 1,116	Hit Rock
	3'		4.6 @ 206X4 = 824	Hit Rock
	4'		4.7 @ 163X4 = 652	
	6'		3.4 @ 113X4 = 452	
	8'			
	10'			
SP3	Surf	Yes	8.0 @ 3137X4 = 12,548	
	1'		5.2 @ 1051X4 = 4,204	
	2'		7.6 @ 576X4 = 2,304	
	3'		5.4 @ 264X4 = 1,056	Hit Rock
	4'		4.0 @ 160X4 = 640	Hit Rock
	6'		3.2 @ 102X4 = 408	
	8'		2.6 @ 99X4 = 196	
	10'			

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Sample Log

Date: 03-18-2024

GPS: 32.920821, -103.361866

Sampler: Jerry Heidelberg / Shan R

Stockpile = Stockpile #1

Attachment VI

Laboratory Analytical Results



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

March 25, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: DKD DISPOSAL LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/19/24 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - SURF (H241439-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37	
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	03/21/2024	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	211	106	200	10.1	
DRO >C10-C28*	10.2	10.0	03/21/2024	ND	210	105	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 1 - 4' (H241439-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/21/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	211	106	200	10.1	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	210	105	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - SURF (H241439-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12100	16.0	03/21/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	211	106	200	10.1	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	210	105	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 2 - 6' (H241439-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/21/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	211	106	200	10.1	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	210	105	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - SURF (H241439-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14700	16.0	03/21/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 3 - 6' (H241439-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - SURF (H241439-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	93300	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	205	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	69.6	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 4 - 4' (H241439-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 5 - SURF (H241439-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	84000	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	25.2	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 5 - 4' (H241439-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 6 - SURF (H241439-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEx	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	68000	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	86.5	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	31.2	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SP 6 - 6' (H241439-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 1 - SURF (H241439-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 1 - 1' (H241439-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 2 - SURF (H241439-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEx	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 2 - 1' (H241439-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 3 - SURF (H241439-17)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856	
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37	
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1	
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9	
Total BTX	<0.300	0.300	03/21/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 3 - 1' (H241439-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 4 - SURF (H241439-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 4 - 1' (H241439-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 5 - SURF (H241439-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTEX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: DKD DISPOSAL LINE
 Project Number: NOT GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: HZ 5 - 1' (H241439-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2024	ND	2.07	104	2.00	0.856		
Toluene*	<0.050	0.050	03/21/2024	ND	2.20	110	2.00	8.37		
Ethylbenzene*	<0.050	0.050	03/21/2024	ND	2.32	116	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/21/2024	ND	6.95	116	6.00	12.9		
Total BTX	<0.300	0.300	03/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2024	ND	203	102	200	8.70	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	191	95.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Daniel Dominguez				P.O. #:																																							
Address: PO Box 1058				Company: BTA Oil Producers, LLC																																							
City: Hobbs		State: NM		Zip: 88241		Attn: Kelton Beaird																																					
Phone #: 575 393-3386		Fax #:		Address: 104 S Pecos St.																																							
Project #:		Project Owner: BTA Oil Producers, LLC		City: Midland		State: TX														Zip: 79701																							
Project Name: DKD Disposal Line				Phone #: 432-312-2203																																							
Project Location: UL/ K Sec 16 T16S - R36E				Fax #:																																							
Sampler Name: Jerry Heidelberg																																											
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																													
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE/COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX 8021													
H241439				G		1		X								X		X		X		3/18/24				X		X		X													
12		SP6-6'		G		1		X								X		X		X		3/18/24				X		X		X													
13		HZ1-Surf		G		1		X								X		X		X		3/18/24				X		X		X													
14		HZ1-1'		G		1		X								X		X		X		3/18/24				X		X		X													
15		HZ2-Surf		G		1		X								X		X		X		3/18/24				X		X		X													
16		HZ2-1'		G		1		X								X		X		X		3/18/24				X		X		X													
17		HZ3-Surf		G		1		X								X		X		X		3/18/24				X		X		X													
18		HZ3-1'		G		1		X								X		X		X		3/18/24				X		X		X													
19		HZ4-Surf		G		1		X								X		X		X		3/18/24				X		X		X													
20		HZ4-1'		G		1		X								X		X		X		3/18/24				X		X		X													

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Relinquished By:	Date: 5-19-24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 16:26		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	124	



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 27

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



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

August 30, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CAPITAN ALPHA VINDICATOR LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/26/2024	Sampling Date:	08/26/2024
Reported:	08/30/2024	Sampling Type:	Soil
Project Name:	CAPITAN ALPHA VINDICATOR LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA UL/K SEC 16 T16S - R36E		

Sample ID: FL 1 - 6' (H245185-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.98	98.8	2.00	4.60	
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50	
Total BTX	<0.300	0.300	08/28/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	223	111	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	221	111	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 - 6' (H245185-02)

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	08/28/2024	ND	1.98	98.8	2.00	4.60		
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/28/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	223	111	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	221	111	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 - 6' (H245185-03)

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	08/28/2024	ND	1.98	98.8	2.00	4.60		
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	223	111	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	221	111	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 - 6' (H245185-04)

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	08/28/2024	ND	1.98	98.8	2.00	4.60		
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	223	111	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	221	111	200	0.974	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 - 6' (H245185-05)

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	08/28/2024	ND	1.98	98.8	2.00	4.60		
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 - 6' (H245185-06)

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	08/28/2024	ND	1.98	98.8	2.00	4.60		
Toluene*	<0.050	0.050	08/28/2024	ND	2.08	104	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.17	109	2.00	2.02		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.50	108	6.00	2.50		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 7 - 6' (H245185-07)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 8 - 6' (H245185-08)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 9 - 6' (H245185-09)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 10 - 6' (H245185-10)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 11 - 6' (H245185-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 12 - 6' (H245185-12)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 13 - 6' (H245185-13)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 14 - 6' (H245185-14)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 15 - 6' (H245185-15)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 16 - 6' (H245185-16)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 17 - 4-6' (H245185-17)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 18 - 4' (H245185-18)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 19 - 4' (H245185-19)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 20 - 4' (H245185-20)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 21 - 4' (H245185-21)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 22 - 4' (H245185-22)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 23 - 4' (H245185-23)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 24 - 4' (H245185-24)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	201	101	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	199	99.7	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 25 - 4-6' (H245185-25)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 26 - 4-6' (H245185-26)

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	08/28/2024	ND	1.88	93.9	2.00	7.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.90	95.0	2.00	5.84		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.44	107	6.00	0.959		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 27 - 6' (H245185-27)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 28 - 6' (H245185-28)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 30 - 6' (H245185-30)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 31 - 6' (H245185-31)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 32 - 6' (H245185-32)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 33 - 6' (H245185-33)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 34 - 6' (H245185-34)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 35 - 6' (H245185-35)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 36 - 6' (H245185-36)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 37 - 6' (H245185-37)

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	08/28/2024	ND	1.81	90.7	2.00	8.99	
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 38 - 6' (H245185-38)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To: (505) 391-4585

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 39 - 6' (H245185-39)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Hungry Horse Environmental
 DANIEL DOMINGUEZ
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 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 40 - 6' (H245185-40)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 41 - 6' (H245185-41)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 42 - 6' (H245185-42)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 43 - 6' (H245185-43)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 44 - 6' (H245185-44)

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	08/28/2024	ND	1.81	90.7	2.00	8.99	
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 45 - 6' (H245185-45)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	234	117	200	6.36	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	233	116	200	9.19	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 46 - 6' (H245185-46)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.81	90.7	2.00	8.99	
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60	
Total BTX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 47 - 6' (H245185-47)

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	08/28/2024	ND	1.81	90.7	2.00	8.99		
Toluene*	<0.050	0.050	08/28/2024	ND	1.78	89.0	2.00	7.89		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.83	91.3	2.00	5.12		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.46	91.0	6.00	4.60		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 48 - 6' (H245185-48)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 49 - 4-6' (H245185-49)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 50 - 4-6' (H245185-50)

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	08/28/2024	ND	2.19	110	2.00	9.39	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		Hungry Horse LLC						BILL TO				ANALYSIS REQUEST																													
Project Manager:		Daniel Dominguez						Incident #: nAPP2406421795																																	
Address:		PO Box 1058						Company: BTA Oil Producers, LLC																																	
City:		Hobbs		State:		NM		Zip:		88241		Attn: Ray Ramos																													
Phone #:		575 393-3386		Fax #:				Address: 104 S Pecos St.																																	
Project #:				Project Owner:		BTA Oil Producers, LLC		City: Midland																																	
Project Name:		Capitan Alpha Vindicator Line						State: TX				Zip: 79701																													
Project Location:		UL/ K Sec 16 T16S - R36E						Phone #: 432-312-2203																																	
Sampler Name:		Jerry Heidelberg						Fax #:																																	
FOR LAB USE ONLY								MATRIX		PRESERV.		SAMPLING																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTX 8021							
HB45185				C		1						X										X				8/26/24		8:05		X		X		X							
2		FL2-6'		C		1						X										X				8/26/24		8:10		X		X		X							
3		FL3-6'		C		1						X										X				8/26/24		8:15		X		X		X							
4		FL4-6'		C		1						X										X				8/26/24		8:20		X		X		X							
5		FL5-6'		C		1						X										X				8/26/24		8:25		X		X		X							
6		FL6-6'		C		1						X										X				8/26/24		8:30		X		X		X							
7		FL7-6'		C		1						X										X				8/26/24		8:35		X		X		X							
8		FL8-6'		C		1						X										X				8/26/24		8:40		X		X		X							
9		FL9-6'		C		1						X										X				8/26/24		8:45		X		X		X							
10		FL10-6'		C		1						X										X				8/26/24		8:50		X		X		X							
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Relinquished By:		Date:		Time:		Received By:		Date:		Time:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		REMARKS:																					
[Signature]		8/26/24		1643		[Signature]						[] Yes [] No		[] Yes [] No						Email results to: pm@hungry-horse.com rramos@btaoil.com																					
Delivered By: (Circle One)		Cool Intact		Sample Condition		CHECKED BY:																																			
Sampler - UPS - Bus - Other:		-0.9c C-0.6c		-1.5c #140		[] Yes [] No		[] Yes [] No		[] Yes [] No		[] Yes [] No		[] Yes [] No		[] Yes [] No		[] Yes [] No																							
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-3386.																																									



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 53 of 56

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																							
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																									
Address: PO Box 1058		Company: BTA Oil Producers, LLC																									
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																								
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																									
Project #:	Project Owner: BTA Oil Producers, LLC	City: Midland																									
Project Name: Capitan Alpha Vindicator Line	State: TX		Zip: 79701																								
Project Location: UL/ K Sec 16 T16S - R36E	Phone #: 432-312-2203																										
Sampler Name: Jerry Heidelberg	Fax #:																										
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS													MATRIX				PRESERV.	SAMPLING		Chloride	TPH	BTEX 8021		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
11	FL11-6'	C	1			X				X			8/26/24	8:55	X	X	X										
12	FL12-6'	C	1			X				X			8/26/24	9:00	X	X	X										
13	FL13-6'	C	1			X				X			8/26/24	9:05	X	X	X										
14	FL14-6'	C	1			X				X			8/26/24	9:10	X	X	X										
15	FL15-6'	C	1			X				X			8/26/24	9:15	X	X	X										
16	FL16-6'	C	1			X				X			8/26/24	9:20	X	X	X										
17	FL17-4-6'	C	1			X				X			8/26/24	9:25	X	X	X										
18	FL18-4'	C	1			X				X			8/26/24	9:30	X	X	X										
19	FL19-4'	C	1			X				X			8/26/24	9:35	X	X	X										
20	FL20-4'	C	1			X				X			8/26/24	9:40	X	X	X										

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Relinquished By: <i>[Signature]</i>	Date: 8/26/24	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1043			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:			Email results to: pm@hungry-horse.com	
			rramos@btaoil.com	
Delivered By: (Circle One)	-0.9% C-0.0% L	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	-1.5% #140	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	8/26	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																	
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																			
Address: PO Box 1058		Company: BTA Oil Producers, LLC																			
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																		
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																			
Project #:	Project Owner: BTA Oil Producers, LLC	City: Midland																			
Project Name: Capitan Alpha Vindicator Line	State: TX		Zip: 79701																		
Project Location: UL/ K Sec 16 T16S - R36E	Phone #: 432-312-2203																				
Sampler Name: Jerry Heidelberg	Fax #:																				
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING																
			GROUNDWATER			DATE	TIME	Chloride	TPH	BTEX 8021											
21	FL21-4'	C 1	X		X	8/26/24	9:45	X	X	X											
22	FL22-4'	C 1	X		X	8/26/24	9:50	X	X	X											
23	FL23-4'	C 1	X		X	8/26/24	9:55	X	X	X											
24	FL24-4'	C 1	X		X	8/26/24	10:00	X	X	X											
25	FL25-4-6'	C 1	X		X	8/26/24	10:05	X	X	X											
26	FL26-4-6'	C 1	X		X	8/26/24	10:10	X	X	X											
27	FL27-6'	C 1	X		X	8/26/24	10:15	X	X	X											
28	FL28-6'	C 1	X		X	8/26/24	10:20	X	X	X											
29	FL29-6'	C 1	X		X	8/26/24	10:25	X	X	X											
30	FL30-6'	C 1	X		X	8/26/24	10:30	X	X	X											

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Relinquished By: <i>Jerry Heidelberg</i>	Date: 8-26-24	Received By: <i>S. Rodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 1043	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>-0.92 C-0.02</i>	Sample Condition	CHECKED BY: <i>8/26</i>	REMARKS:	
Sampler - UPS - Bus - Other: <i>-1.52 #140</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Email results to: pm@hungry-horse.com rramos@btaoil.com	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 55 of 56

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST										
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795												
Address: PO Box 1058		Company: BTA Oil Producers, LLC												
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos											
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.												
Project #:	Project Owner: BTA Oil Producers, LLC	City: Midland												
Project Name: Capitan Alpha Vindicator Line	State: TX	Zip: 79701												
Project Location: UL/ K Sec 16 T16S - R36E	Phone #: 432-312-2203													
Sampler Name: Jerry Heidelberg	Fax #:													
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING									
			GROUNDWATER			DATE	TIME	Chloride	TPH	BTEX 8021				
1245185														
31	FL31-6'	C 1	X		X	8/26/24	10:35	X	X	X				
32	FL32-6'	C 1	X		X	8/26/24	10:40	X	X	X				
33	FL33-6'	C 1	X		X	8/26/24	10:45	X	X	X				
34	FL34-6'	C 1	X		X	8/26/24	10:50	X	X	X				
35	FL35-6'	C 1	X		X	8/26/24	10:55	X	X	X				
36	FL36-6'	C 1	X		X	8/26/24	11:00	X	X	X				
37	FL37-6'	C 1	X		X	8/26/24	11:05	X	X	X				
38	FL38-6'	C 1	X		X	8/26/24	11:10	X	X	X				
39	FL39-6'	C 1	X		X	8/26/24	11:15	X	X	X				
40	FL40-6'	C 1	X		X	8/26/24	11:20	X	X	X				

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Relinquished By:	Date: 8-26-24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1043		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results to: pm@hungry-horse.com	
Delivered By: (Circle One) - 0.9 - C-0.40	Sample Condition	CHECKED BY: (Initials)	rramos@btaoil.com	
Sampler - UPS - Bus - Other: -1.52 #148	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 56 of 56

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																			
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																					
Address: PO Box 1058		Company: BTA Oil Producers, LLC																					
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																				
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																					
Project #:	Project Owner: BTA Oil Producers, LLC	City: Midland																					
Project Name: Capitan Alpha Vindicator Line		State: TX Zip: 79701																					
Project Location: UL/ K Sec 16 T16S - R36E		Phone #: 432-312-2203																					
Sampler Name: Jerry Heidelberg		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS)	MATRIX											PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX 8021			
41	FL41-6'	C 1	GROUNDWATER			8/26/24	11:25	X	X	X													
42	FL42-6'	C 1	WASTEWATER			8/26/24	11:30	X	X	X													
43	FL43-6'	C 1	SOIL			8/26/24	11:35	X	X	X													
44	FL44-6'	C 1	OIL			8/26/24	11:40	X	X	X													
45	FL45-6'	C 1	SLUDGE			8/26/24	11:45	X	X	X													
46	FL46-6'	C 1	OTHER			8/26/24	11:50	X	X	X													
47	FL47-6'	C 1	ACID/BASE			8/26/24	11:55	X	X	X													
48	FL48-6'	C 1	ICE / COOL			8/26/24	12:00	X	X	X													
49	FL49-4-6'	C 1	OTHER			8/26/24	12:05	X	X	X													
50	FL50-4-6'	C 1				8/26/24	12:10	X	X	X													

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Relinquished By: <i>Jerry Heidelberg</i>	Date: 8/26/24	Received By: <i>S Rodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1043			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:			Email results to: pm@hungry-horse.com	
Delivered By: (Circle One) - 0.9c - 0.4c - 1.5c #140			rramos@btaoil.com	
Sampler - UPS - Bus - Other:			CHECKED BY: (Initials) <i>SR</i>	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				

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



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

August 30, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CAPITAN ALPHA VINDICATOR LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/26/2024	Sampling Date:	08/26/2024
Reported:	08/30/2024	Sampling Type:	Soil
Project Name:	CAPITAN ALPHA VINDICATOR LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA UL/K SEC 16 T16S - R36E		

Sample ID: FL 51 - 4-6' (H245188-01)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 52 - 4-6' (H245188-02)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 53 - 4-6' (H245188-03)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 54 - 6' (H245188-04)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 55 - 6' (H245188-05)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 56 - 4' (H245188-06)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 57 - 4' (H245188-07)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 58 - 4' (H245188-08)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 59 - 4' (H245188-09)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 60 - 4' (H245188-10)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	224	112	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	237	118	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 61 - 4' (H245188-11)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/27/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 62 - 4' (H245188-12)

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	08/28/2024	ND	2.19	110	2.00	9.39		
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	9.64		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.25	112	2.00	10.2		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.79	113	6.00	8.81		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/28/2024	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	08/27/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 63 - 4' (H245188-13)

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	08/29/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/29/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/27/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 64 - 6' (H245188-14)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEx	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/27/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 65 - 6' (H245188-15)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 66 - 4' (H245188-16)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 67 - 4' (H245188-17)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 68 - 4' (H245188-18)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 69 - 4' (H245188-19)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 70 - 4' (H245188-20)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 71 - 4' (H245188-21)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 66.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 72 - 4' (H245188-22)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 73 - 4' (H245188-23)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 74 - 6' (H245188-24)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 75 - 6' (H245188-25)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 76 - 4' (H245188-26)

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	08/28/2024	ND	2.01	101	2.00	3.16		
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 77 - 4' (H245188-27)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEx	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 78 - 4' (H245188-28)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 - 0-6' (H245188-29)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 - 0-6' (H245188-30)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	220	110	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	235	118	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 - 0-6' (H245188-31)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEx	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 - 0-6' (H245188-32)

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	08/28/2024	ND	2.01	101	2.00	3.16	
Toluene*	<0.050	0.050	08/28/2024	ND	1.92	95.8	2.00	3.20	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	1.95	97.6	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	5.78	96.3	6.00	2.23	
Total BTEx	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 - 0-6' (H245188-33)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEx	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 - 0-6' (H245188-34)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 - 0-6' (H245188-35)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 - 0-4' (H245188-36)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 9 - 0-4' (H245188-37)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 10 - 0-6' (H245188-38)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 11 - 0-6' (H245188-39)

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	08/28/2024	ND	2.21	110	2.00	5.49	
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55	
Total BTEX	<0.300	0.300	08/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 12 - 0-6' (H245188-40)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 13 - 0-6' (H245188-41)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 14 - 0-6' (H245188-42)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 15 - 0-4' (H245188-43)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 16 - 0-4' (H245188-44)

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	08/28/2024	ND	2.21	110	2.00	5.49	
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55	
Total BTEX	<0.300	0.300	08/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 17 - 0-4' (H245188-45)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 18 - 0-4' (H245188-46)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 19 - 4-6' (H245188-47)

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	08/28/2024	ND	2.21	110	2.00	5.49		
Toluene*	<0.050	0.050	08/28/2024	ND	2.22	111	2.00	4.24		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.21	111	2.00	3.60		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.76	113	6.00	3.55		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 20 - 4-6' (H245188-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63		
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634		
Total BTX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 21 - 4-6' (H245188-49)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63		
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634		
Total BTX	<0.300	0.300	08/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2024
 Reported: 08/30/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 22 - 4-6' (H245188-50)

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	08/28/2024	ND	1.95	97.5	2.00	3.63		
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54		
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638		
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634		
Total BTEX	<0.300	0.300	08/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2024	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	08/28/2024	ND	221	110	200	8.80	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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

Page 53 of 57

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																						
Address: PO Box 1058		Company: BTA Oil Producers, LLC																						
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																					
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																						
Project #:	Project Owner: BTA Oil Producers, LLC		City: Midland																					
Project Name: Capitan Alpha Vindicator Line		State: TX	Zip: 79701																					
Project Location: UL/ K Sec 16 T16S - R36E		Phone #: 432-312-2203																						
Sampler Name: Jerry Heidelberg		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX 8021							
HZ 1588																								
1	FL51-4-6'	C	1			X				X			8/26/24	12:15	X	X	X							
2	FL52-4-6'	C	1			X				X			8/26/24	12:20	X	X	X							
3	FL53-4-6'	C	1			X				X			8/26/24	12:25	X	X	X							
4	FL54-6'	C	1			X				X			8/26/24	12:30	X	X	X							
5	FL55-6'	C	1			X				X			8/26/24	12:35	X	X	X							
6	FL56-4'	C	1			X				X			8/26/24	12:40	X	X	X							
7	FL57-4'	C	1			X				X			8/26/24	12:45	X	X	X							
8	FL58-4'	C	1			X				X			8/26/24	12:50	X	X	X							
9	FL59-4'	C	1			X				X			8/26/24	12:55	X	X	X							
10	FL60-4'	C	1			X				X			8/26/24	13:00	X	X	X							

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

Relinquished By: <i>Jerry Heidelberg</i>	Date: 8-26-24 Time: 1043	Received By: <i>D. Dominguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>-092 C-O-U-</i>			REMARKS:	
Sampler - UPS - Bus - Other: <i>-1.52 #140</i>			Email results to: pm@hungry-horse.com rramos@btaoil.com	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>872</i>		

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 56 of 57

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																									
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																											
Address: PO Box 1058		Company: BTA Oil Producers, LLC																											
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																										
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																											
Project #:	Project Owner: BTA Oil Producers, LLC		City: Midland																										
Project Name: Capitan Alpha Vindicator Line		State: TX	Zip: 79701																										
Project Location: UL/ K Sec 16 T16S - R36E		Phone #: 432-312-2203																											
Sampler Name: Jerry Heidelberg		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS											MATRIX				PRESERV.	SAMPLING	Chloride	TPH	BTEX 8021							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
H245188																													
31	SW3-0-6'	C	1			X				X			8/26/24	14:45	X	X	X												
32	SW4-0-6'	C	1			X				X			8/26/24	14:50	X	X	X												
33	SW5-0-6'	C	1			X				X			8/26/24	14:55	X	X	X												
34	SW6-0-6'	C	1			X				X			8/26/24	15:00	X	X	X												
35	SW7-0-6'	C	1			X				X			8/26/24	15:05	X	X	X												
36	SW8-0-4'	C	1			X				X			8/26/24	15:10	X	X	X												
37	SW9-0-4'	C	1			X				X			8/26/24	15:15	X	X	X												
38	SW10-0-6'	C	1			X				X			8/26/24	15:20	X	X	X												
39	SW11-0-6'	C	1			X				X			8/26/24	15:25	X	X	X												
40	SW12-0-6'	C	1			X				X			8/26/24	15:30	X	X	X												

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Relinquished By: <i>[Signature]</i>	Date: 8-26-24	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Time: 1643	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) - 0.9: C.O.U.C.	Sample Condition	CHECKED BY: <i>[Signature]</i>	REMARKS:	
Sampler - UPS - Bus - Other: - T.S.C. #140	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Email results to: pm@hungry-horse.com rramos@btaoil.com	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 57 of 57

Company Name: Hungry Horse LLC		BILL TO		ANALYSIS REQUEST																			
Project Manager: Daniel Dominguez		Incident #: nAPP2406421795																					
Address: PO Box 1058		Company: BTA Oil Producers, LLC																					
City: Hobbs	State: NM	Zip: 88241	Attn: Ray Ramos																				
Phone #: 575 393-3386	Fax #:	Address: 104 S Pecos St.																					
Project #:	Project Owner: BTA Oil Producers, LLC		City: Midland																				
Project Name: Capitan Alpha Vindicator Line		State: TX	Zip: 79701																				
Project Location: UL/ K Sec 16 T16S - R36E		Phone #: 432-312-2203																					
Sampler Name: Jerry Heidelberg		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(GIRAB OR (C)OMP. # CONTAINERS	MATRIX											PRESERV.	SAMPLING								
			GROUNDWATER			DATE	TIME	Chloride	TPH	BTEX 8021													
H 245188																							
41	SW13-0-6'	C 1	X			X	8/26/24	15:35	X	X	X												
42	SW14-0-6'	C 1	X			X	8/26/24	15:40	X	X	X												
43	SW15-0-4'	C 1	X			X	8/26/24	15:45	X	X	X												
44	SW16-0-4'	C 1	X			X	8/26/24	15:50	X	X	X												
45	SW17-0-4'	C 1	X			X	8/26/24	15:55	X	X	X												
46	SW18-0-4'	C 1	X			X	8/26/24	16:00	X	X	X												
47	SW19-4-6'	C 1	X			X	8/26/24	16:05	X	X	X												
48	SW20-4-6'	C 1	X			X	8/26/24	16:10	X	X	X												
49	SW21-4-6'	C 1	X			X	8/26/24	16:15	X	X	X												
50	SW22-4-6'	C 1	X			X	8/26/24	16:20	X	X	X												

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Relinquished By:	Date: 8/26/24 Time: 1643	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) -0.9c -0.0c	Time:	Sample Condition	REMARKS: Email results to: pm@hungry-horse.com rramos@btaoil.com
Sampler - UPS - Bus - Other: -1.5c -#140	Time:	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
CHECKED BY:			

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

September 03, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CAPITAN ALPHA VINDICATOR LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:48.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/27/2024	Sampling Date:	08/26/2024
Reported:	09/03/2024	Sampling Type:	Soil
Project Name:	CAPITAN ALPHA VINDICATOR LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA UL/K SEC 16 T16S - R36E		

Sample ID: FL 29 - 6' (H245216-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/29/2024	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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

October 31, 2024

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: CAPITAN ALPHA VINDICATOR LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 15:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/30/2024
Reported:	10/31/2024	Sampling Type:	Soil
Project Name:	CAPITAN ALPHA VINDICATOR LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA UL/K SEC 16 T16S - R36E		

Sample ID: TOPSOIL (H246624-01)

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	10/30/2024	ND	2.17	109	2.00	1.62	
Toluene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	1.98	
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.12	106	2.00	2.23	
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.28	105	6.00	2.14	
Total BTEX	<0.300	0.300	10/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	201	100	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	99.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/30/2024
 Reported: 10/31/2024
 Project Name: CAPITAN ALPHA VINDICATOR LINE
 Project Number: NONE GIVEN
 Project Location: BTA UL/K SEC 16 T16S - R36E

Sampling Date: 10/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CALICHE (H246624-02)

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	10/30/2024	ND	2.17	109	2.00	1.62		
Toluene*	<0.050	0.050	10/30/2024	ND	2.10	105	2.00	1.98		
Ethylbenzene*	<0.050	0.050	10/30/2024	ND	2.12	106	2.00	2.23		
Total Xylenes*	<0.150	0.150	10/30/2024	ND	6.28	105	6.00	2.14		
Total BTEx	<0.300	0.300	10/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	201	100	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	198	99.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

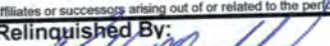
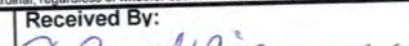


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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 10-30-24 Time: 549		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: 24 hr RUSH!	
Relinquished By:		Date:		Received By:		Email results to: pm@hungry-horse.com rramos@btail.com	
Delivered By: (Circle One) -0.9: C.O.U.		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) SIC		Email results to: pm@hungry-horse.com rramos@btail.com	
Sampler - UPS - Bus - Other: -1.5: #140		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)		Email results to: pm@hungry-horse.com rramos@btail.com	

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

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QUESTIONS

Action 400309

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406421795
Incident Name	NAPP2406421795 CAPITAN ALPHA VINDICATOR WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2318130787] Vindicator 3 Tank Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Capitan Alpha Vindicator Water Line
Date Release Discovered	03/03/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure Pipeline (Any) Produced Water Released: 30 BBL Recovered: 20 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The poly water gathering line from the Capitan Alpha and Vindicator 3 Batteries split open due to overpressure.

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QUESTIONS, Page 2

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: kbeaird@btaoil.com Date: 03/07/2024
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QUESTIONS, Page 3

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	93300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	274.6
GRO+DRO (EPA SW-846 Method 8015M)	205
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/01/2024
On what date will (or did) the final sampling or liner inspection occur	08/26/2024
On what date will (or was) the remediation complete(d)	10/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	15600
What is the estimated volume (in cubic yards) that will be reclaimed	3000
What is the estimated surface area (in square feet) that will be remediated	15600
What is the estimated volume (in cubic yards) that will be remediated	3000
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	400309
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: rramos@btaoil.com Date: 11/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	376271
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/26/2024
What was the (estimated) number of samples that were to be gathered	100
What was the sampling surface area in square feet	15600

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	15600
What was the total volume (cubic yards) remediated	3000
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	15600
What was the total volume (in cubic yards) reclaimed	3000
Summarize any additional remediation activities not included by answers (above)	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.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: rramos@btaoil.com Date: 11/07/2024
--	--

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QUESTIONS, Page 7

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	15600
What was the total volume of replacement material (in cubic yards) for this site	3000
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	11/18/2024
Summarize any additional reclamation activities not included by answers (above)	Site will be reseeded upon landowner approval
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: BTA HUNGRY Title: Environmental Manager Email: rramos@btaoil.com Date: 11/07/2024

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QUESTIONS, Page 8

Action 400309

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 400309

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 400309
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	2/24/2025