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Final Closure Report

Tamaroa Operating
Bonanza #2H
Chavez, New Mexico
Unit Letter "A", Section 21, Township 7 South, Range 28 East
Latitude 32.69876 North, Longitude 104.08779 West
NMOCD Incident #NAPP2100636827
API #30-005-64336

Prepared For:

Tamaroa Operating
P.O. Box 866937
Plano, TX 75086

Prepared By:

Hungry Horse, LLC
4024 Plains Hwy
Lovington, NM 88260

March 2021

Lindsey Nevels
Project Manager

Daniel Dominguez
Sr. Project Manager

Table Of Contents

HUNGRY HORSE, LLC

The following *Final Closure Report* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter A (NE/NE), Section 21, Township 7 South, Range 28 East, approximately 35 miles northeast of Roswell, in Chavez County, New Mexico. The property is privately owned by Crossroads Ranch. 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 well pad; latitude 32.69876 North, Longitude 104.08779 West. The Initial NMOCD Form C-141 indicated that on December 31, 2020 approximately 40 bbls of crude oil was released due to a gasket failure around the fire tube. A vacuum truck was dispatched to the site and recovered approximately 30 bbls of fluid. A roustabout crew surface scraped the release area and stockpiled the contaminated soil onsite atop plastic. The secondary containment where the spill had originated was immediately power washed and cleaned of all standing liquids. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. The Remediation and Closure pages of the NMOCD Form C-141 are included as Attachment V.

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. No wells were located within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is not located in a Karst designated area. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 2 & 3.

Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

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

Delineation and Remediation Activities:

On January 04, 2021, Hungry Horse conducted an initial site assessment and sampling event. During the sampling event, a series of 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 inferred 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 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, thirty-two (32) representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP8, and HZ1 through HZ8, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of SP1 through SP8 at surface, and HZ1 at Surface, which exhibited TPH and/or Chloride concentrations in excess of NMOCD Closure Criteria.

On January 27, 2021, remediation activities commenced on location. The release area was surface scraped to a depth of approximately six (6) inches bgs with excavated soil transported to an NMOCD approved disposal facility. The area characterized by sample location HZ1 surface was also surface scraped to a depth of approximately six (6) inches bgs.

On March 10, 2021, Hungry Horse conducted an inspection of the containment liner; the integrity of the liner was verified and determined to be intact and functioning properly to contain releases. Photos of the liner inspection are included in Attachment I.

On March 10, 2021, composite confirmation soil samples, representing every 200 sq. ft., were collected from the excavation floor. Composite samples were also collected from the sidewalls of the excavation, each representing fifty (50) linear feet. Composite closure samples FL1 through FL24, and SW1 through SW5, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Twenty-nine (29) composite samples were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On March 12, 2021, sample location HZ1 was resampled. HZ1 surf and HZ1 1’ were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

A Delineation Sample Map and Excavation Sample Map are provided as Figure 4 and Figure 5, respectively, and Field data is provided as Attachment III. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment IV.

The excavated area measured approximately 96 ft. in length, 50 ft. in width, and six (6) inches in depth. During remediation activities approximately 133 cubic yards of impacted soil were hauled to an NMOCD approved disposal facility.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced clean, non-impacted, material. The area was contoured to achieve erosion control and preserve surface water flow. As the affected area is located on an active well pad, seeding is not required.

Closure Request:

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

Based on laboratory analytical results and field activities conducted to date, Hungry Horse recommends Tamaroa Operating provide copies of this *Final Closure Report* to the appropriate agencies and request closure be granted to the Bonanza #2H.

Limitations:

Hungry Horse, LLC, has prepared this *Final Closure Report* 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:

Tamaroa Operating
P.O. Box 866937
Plano, TX 75086

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

Figures

Figure 1
Topographic Map
Tamaroa Operating
Bonanza #2H
GPS: 33.69876, -104.08779
Chaves County

Legend:

- Bonanza #2H Location

Drafted: lmn
Checked: dd
Date: 1/4/21

Hungry-Horse, LLC
Oil & Gas Services

Figure 2
OSE POD Locations Map
Tamaroa Operating
Bonanza #2H
GPS: 33.69876, -104.08779
Chaves County

Legend:
- Bonanza #2H Location
- Pending OSE Water Well

Drafted: lmn
Checked: dd
Date: 1/4/21

Hungry-Horse, LLC
Oil & Gas Services

Figure 3
USGS Well Locations Map
Tamaroa Operating
Bonanza #2H
GPS: 33.69876, -104.08779
Chaves County

Legend:
- Bonanza #2H Location
- USGS Well Location

Drafted: lmn
Checked: dd
Date: 1/4/21

Hungry-Horse, LLC
Oil & Gas Services

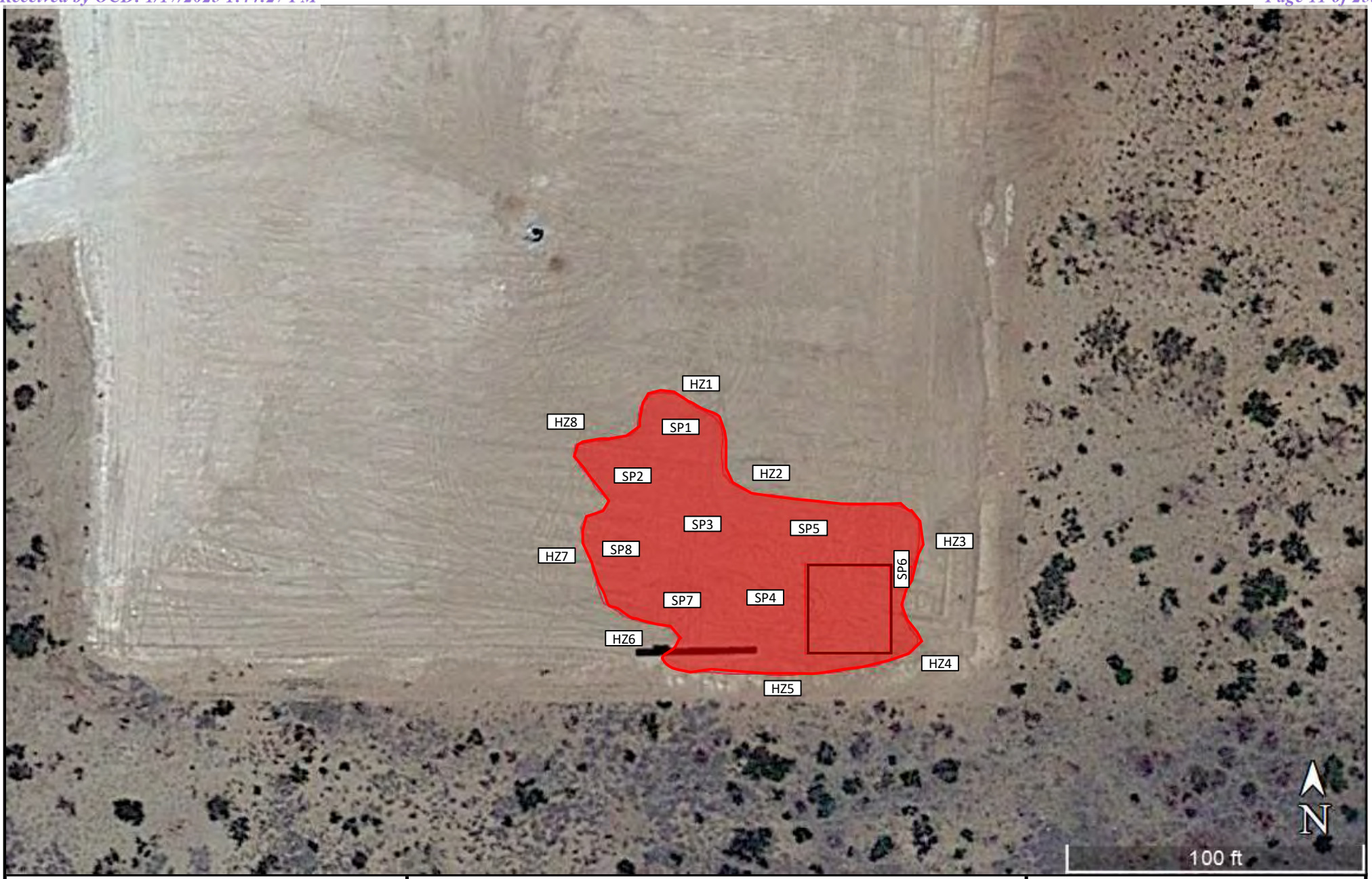


Figure 4

Delineation Sample Map

Tamaroa Operating

Bonanza #2H

GPS: 33.69876, -104.08779

Chaves County

Legend:

- Release Area
- Containment
- SP1 Delineation Sample Location

Drafted: lmn

Checked: dd

Date: 1/5/21

Hungry-Horse, LLC
Oil & Gas Services

Figure 5

Excavation Sample Map

Tamaroa Operating

Bonanza #2H

GPS: 33.69876, -104.08779

Chaves County

Legend:

- Release Area
- Excavated Area
- FL1 — Composite Sample Location

Drafted: lmn

Checked: dd

Date: 3/10/21

Hungry-Horse, LLC
Oil & Gas Services

Tables

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Tamaroa Operating
Bonanza #2H
NMOCD Ref. # NAPP2100636827

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	1/4/21	Surf	Excavated	0.121	46.6	1,100	5,290	6,390	583	**6,973**	**2,440**
	1/4/21	1	In-Situ	0.00289	0.0977	<50.0	<50.0	<50.0	<50.0	<50.00	9.87
SP2	1/4/21	Surf	Excavated	1.78	**60.80**	1,590	7,680	9,270	810	**10,100**	**2,560**
	1/4/21	1	In-Situ	<0.0020	0.0602	<49.9	<49.9	<49.9	<49.9	<49.9	6.14
SP3	1/4/21	Surf	Excavated	<0.00199	0.879	<49.8	137	137	<49.9	**137**	439
	1/4/21	1	In-Situ	<0.00201	0.003	<50.0	<50.0	<50.0	<50.0	<50.0	9.06
SP4	1/4/21	Surf	Excavated	0.00499	0.440	<249	2,060	2,060	332	**2,392**	415
	1/4/21	1	In-Situ	<0.00201	0.0153	<49.8	<49.8	<49.8	<49.8	<49.8	8.12
SP5	1/4/21	Surf	Excavated	0.134	11.7	257	2,130	2,387	254	**2,641**	101
	1/4/21	1	In-Situ	<0.00200	0.0655	<49.9	<49.9	<49.9	<49.9	<49.9	<4.99
SP6	1/4/21	Surf	Excavated	<0.00199	0.0466	<49.8	<49.8	<49.8	<49.8	<49.8	69.50
	1/4/21	1	In-Situ	0.00313	0.0184	<50.0	<50.0	<50.0	<50.0	<50.0	<4.95
SP7	1/4/21	Surf	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**1,190**
	1/4/21	1	In-Situ	<0.0200	0.00225	<49.9	<49.9	<49.9	<49.9	<49.9	7.90
SP8	1/4/21	Suf	Excavated	<0.0201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	**1,350**
	1/4/21	1	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	8.11
HZ1	1/4/21	Surf	Excavated	<0.00200	0.0553	<49.9	626	626	182	**808**	357
	1/4/21	1	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	8.09
HZ2	1/4/21	Surf	In-Situ	0.00239	0.113	<49.8	80.0	80.0	<49.8	80.0	81.7
	1/4/21	1	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	8.78
HZ3	1/4/21	Surf	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	70.4
	1/4/21	1	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	16.4
HZ4	1/4/21	Surf	In-Situ	<0.00201	0.0916	<50.0	88.9	88.9	<50.0	88.9	83.6
	1/4/21	1	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	36.5
HZ5	1/4/21	Surf	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	43.7
	1/4/21	1	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	22.4
HZ6	1/4/21	Surf	In-Situ	<0.00199	0.00649	<49.9	<49.9	<49.9	<49.9	<49.9	6.64
	1/4/21	1	In-Situ	0.00230	0.0132	<50.0	<50.0	<50.0	<50.0	<50.0	8.49
HZ7	1/4/21	Surf	In-Situ	0.00669	0.0174	<50.0	<50.0	<50.0	<50.0	<50.0	7.96
	1/4/21	1	In-Situ	0.00465	0.0115	<50.0	<50.0	<50.0	<50.0	<50.0	8.75
HZ8	1/4/21	Surf	In-Situ	<0.00201	0.00405	<49.9	<49.9	<49.9	<49.9	<49.9	16.6
	1/4/21	1	In-Situ	<0.00200	0.00447	<49.8	<49.8	<49.8	<49.8	<49.8	10.1
HZ1	3/12/21	Surf	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	36.1
	3/12/21	1	In-Situ	<0.00198	0.0202	<50.1	<50.1	<50.1	<50.1	<50.1	42.8
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**NA**	**-**	**100**	**600**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

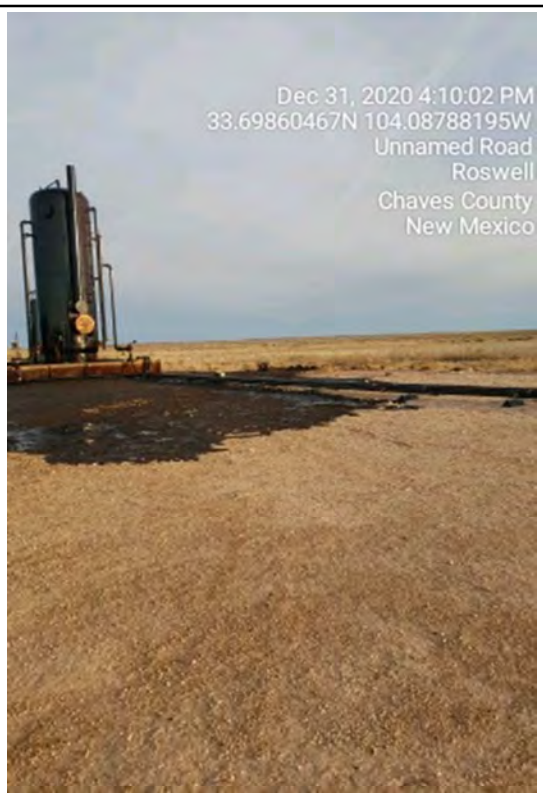
TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Tamaroa Operating
Bonanza #2H
NMOCD Ref. # NAPP2100636827

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	3/10/21	6"	In-Situ	<0.00201	0.0269	<49.8	<49.8	<49.8	<49.8	<49.8	23.4
FL2	3/10/21	6"	In-Situ	<0.00202	0.00369	<49.9	<49.9	<49.9	<49.9	<49.9	25.9
FL3	3/10/21	6"	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	34.2
FL4	3/10/21	6"	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	57.6
FL5	3/10/21	6"	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	21.9
FL6	3/10/21	6"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	31.5
FL7	3/10/21	6"	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	24.7
FL8	3/10/21	6"	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	34.4
FL9	3/10/21	6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	28.1
FL10	3/10/21	6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	22.9
FL11	3/10/21	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	20.5
FL12	3/10/21	6"	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	23.5
FL13	3/10/21	6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	17.4
FL14	3/10/21	6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	23.5
FL15	3/10/21	6"	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	26.8
FL16	3/10/21	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	14.1
FL17	3/10/21	6"	In-Situ	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	11.8
FL18	3/10/21	6"	In-Situ	<0.00201	<0.00201	<49.7	<49.7	<49.7	<49.7	<49.7	37.2
FL19	3/10/21	6"	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	28.1
FL20	3/10/21	6"	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	37.0
FL21	3/10/21	6"	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	32.6
FL22	3/10/21	6"	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	<4.97
FL23	3/10/21	6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	18.6
FL24	3/10/21	6"	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	17.0
SW1	3/10/21	3"	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	47.7
SW2	3/10/21	3"	In-Situ	0.00248	0.0178	<49.8	<49.8	<49.8	<49.8	<49.8	17.0
SW3	3/10/21	3"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	13.4
SW4	3/10/21	3"	In-Situ	0.00251	0.00251	<49.7	<49.7	<49.7	<49.7	<49.7	43.7
SW5	3/10/21	3"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	14.4
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**NA**	**-**	**100**	**600**

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I
Site Photographs

Photographs

Photo: 1 **Direction:** Southeast **Description:** Release area.	
Photo: 2 **Direction:** Northwest **Description:** Release in containment.	

Photographs

Photo: 3 **Direction:** North **Description:** Release in containment.	
Photo: 4 **Direction:** East **Description:** Release area.	

Photographs

Photo: 5 **Direction:** Northeast **Description:** After surface scrape.	

Photo: 6 **Direction:** East **Description:** After surface scrape.	

Photographs

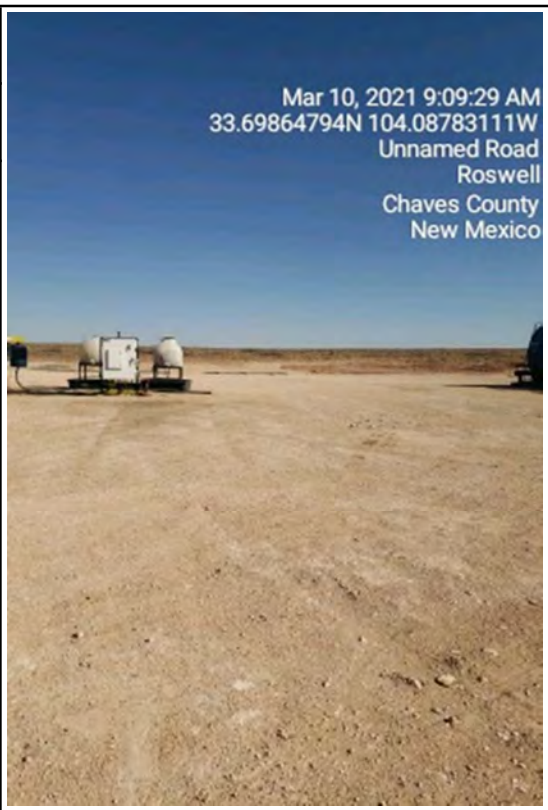
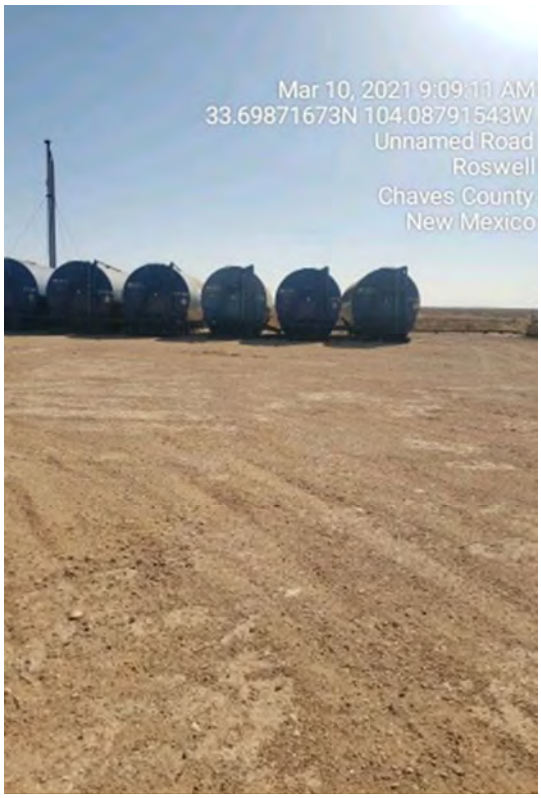
Photo: 7 **Direction:** Northeast **Description:** Sampling after surface scrape.	

Photo: 8 **Direction:** East **Description:** Sampling after surface scrape.	

Photographs

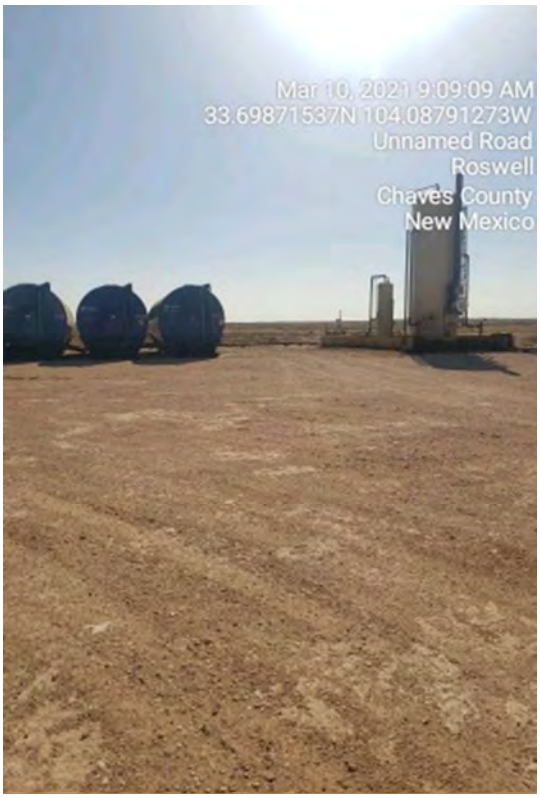
Photo: 9 **Direction:** East **Description:** Sampling after surface scrape.	

Photo: 10 **Direction:** Southeast **Description:** Sampling after surface scrape.	

Photographs

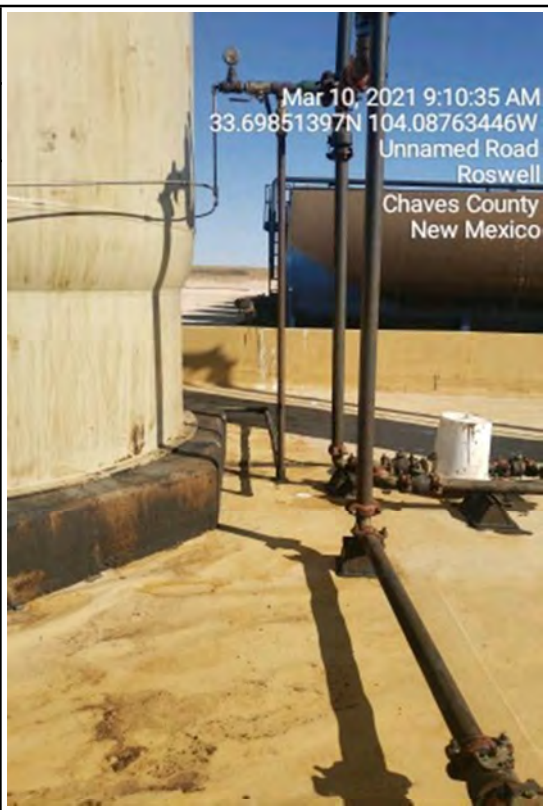
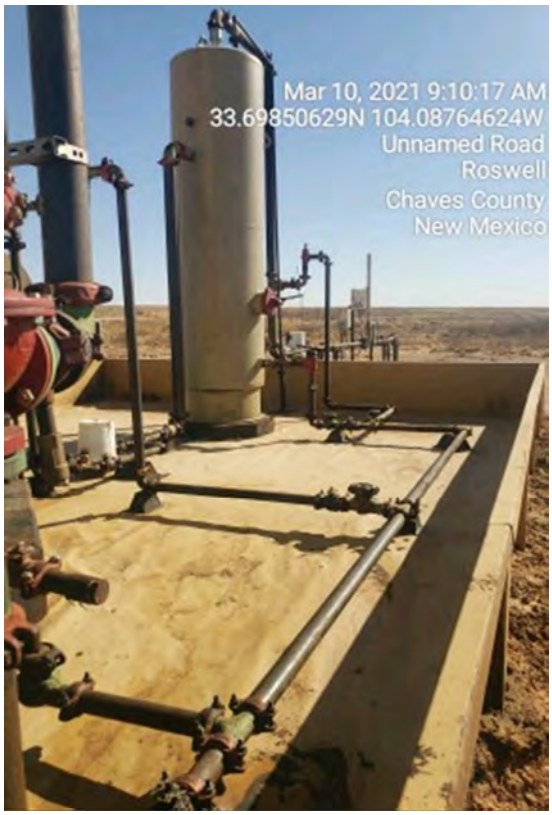
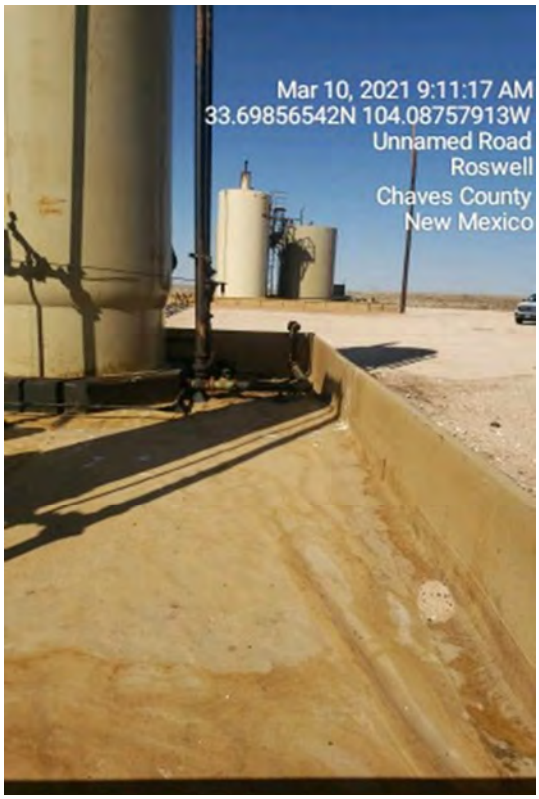
Photo: 11 **Direction:** North **Description:** Liner inspection.	

Photo: 12 **Direction:** East **Description:** Liner inspection.	

Photographs

Photo: 13 **Direction:** North **Description:** Liner inspection.	

Photo: 14 **Direction:** West **Description:** Liner inspection.	

Attachment II
Depth to Groundwater

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(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) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 10026	RA	CH	3	3	4	22	07S	28E	585733	3727732*	1852	180		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 584530.71 **Northing (Y):** 3729140.72 **Radius:** 2000

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: RA 08365 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: DCL DECLARATION

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 2.5 **Cause/Case:** -

Owner: FRATES SEELINGSON

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
245889	DCL	1992-05-12	DCL	PRC	RA 08365	T	0	2.5	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 08365			3	1	2	28	07S	28E	584118	3727315*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
12/31/1942	DCL	0	2.5	RA 08365

Place of Use

Q 256	Q 64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
										STK		DCL	NOPLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	2.5		STK	12/31/1942	GW	SHALLOW

4/1/21 9:01 AM WATER RIGHT SUMMARY

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: RA 09407 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: WATER DEVELOPMENT CORP.

Contact: BRYAN NYDESKE

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
246888	ADM	1997-06-24	PMT	APR	RA 09407	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 09407					4	22	07S	28E	586035	3728034*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
06/24/1997	PMT	0	0	RA 09407

New Mexico Office of the State Engineer

Water Right Summary

WR File Number: RA 10025 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: PUB 72-12-1 CONSTRUCTION OF PUBLIC WORKS

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: KAREN M. BAKER

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
207952	72121	2001-03-26	PMT	APR	RA 10025	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 10025			3	3	4	22	07S	28E	585733	3727732*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

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- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 334202104040201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 334202104040201 07S.28E.15.44444

Chaves County, New Mexico
Latitude 33°42'02", Longitude 104°04'02" NAD27
Land-surface elevation 4,000 feet above NAVD88
The depth of the well is 65 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measu
1979-09-07		D	62610		3956.12	NGVD29	1	Z		
1979-09-07		D	62611		3958.09	NAVD88	1	Z		
1979-09-07		D	72019	41.91			1	Z		
1984-02-03		D	62610		3955.81	NGVD29	1	Z		
1984-02-03		D	62611		3957.78	NAVD88	1	Z		
1984-02-03		D	72019	42.22			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

Section	Code	Description
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.

Questions about sites/data?
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-30 16:42:10 EDT
0.31 0.29 nadww01

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Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 334139104040301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 334139104040301 07S.28E.22.244243

Chaves County, New Mexico
Latitude 33°41'39", Longitude 104°04'03" NAD27
Land-surface elevation 4,003 feet above NAVD88
The depth of the well is 68 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measu
1979-09-07		D	62610		3956.06	NGVD29	1	Z		
1979-09-07		D	62611		3958.02	NAVD88	1	Z		
1979-09-07		D	72019	44.98			1	Z		
1984-02-29		D	62610		3955.81	NGVD29	1	Z		
1984-02-29		D	62611		3957.77	NAVD88	1	Z		
1984-02-29		D	72019	45.23			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

Section	Code	Description
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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-03-30 16:43:09 EDT
0.33 0.29 nadww01

Attachment III
Field Data

Hungry Horse, LLC

Sample Log

Date: 1-4-21

Project: Bonanza #2H

Latitude: 33.69876 Longitude: -104.08779 Sampler:

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1- Surf	TPH	232 mL 968 lab	
6"	202.5	49.4 1910	
1'	.2	<100 lab	
2'	.2	<100	
Sp 2- Surf	200	92.4 368	
6"	.01	32.4 176	
1'	.01	<100	
2'	.01	<100	
Sp 3- Surf	TPH /	300 97.4 388	
6"	ND	60.4 216	
1'	ND	<100	
2'	.0	<100	
Sp 4- Surf	TPH	120.4	
6"	.7	80.4 320	
1'	.7	8.4 192	
2		ND	
Sp 5 - Surf	TPH	123.4 490	
6"	.01	120.4 42	
1'	.01	108.4 432	
2'	ND	<100	
Sp 6- Surf	TPH		
6"	.01	80.4 320	
1'	ND	8.4 176	
2'	.01	.4 <100	
		.2 <100	
Sp 7- Surf	TPH	230.4 920	
6"	0.1	120.4 484	
1'	0.1	62.4 248	
2'	ND	ND	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Hungry Horse, LLC

Sample Log

Date: 1-4-21

Project: Bonanza #2H

Latitude: 33.69876 Longitude: -104.08779 Sampler:

Sample ID	PID/Odor	Chloride Conc.	GPS
SP8 Surf	200	432	
6'	"	120 ✓	
1'	"	94 ✓ 326	
2'	ND		
H21 - Surf	ND	< 100	
H2 - 1'	ND	< 100	
H22 - Surf	ND	~~400~~	
1'	NA	< 106	
H23 - Surf	NA	< 100	
1'	NA	< 100	
H24 - Surf	NA	< 100	
1'	NA	< 100	
H25 - Surf	NA	< 100	
1'	NA	< 100	
H26 - Surf	NA	< 100	
1'	NA	< 100	
H27 - Surf	NA	< 100	
1'	NA	< 100	
		✓	
H28 - Surf	NA	< 100	
1'	NA	< 100	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Attachment IV
Laboratory Analytical Reports

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Certificate of Analysis Summary 683755

Hungry Horse LLC, Hobbs, NM

Project Name: Tamaroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 13:30

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683755-001		683755-002		683755-003		683755-004		683755-005		683755-006	
	Field Id:	SP1		SP1		SP2		SP2		SP3		SP3	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00	
	Analyzed:	01.08.2021 00:25		01.08.2021 00:51		01.08.2021 01:17		01.08.2021 01:42		01.07.2021 17:37		01.07.2021 18:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.121	0.00202	0.00289	0.00201	1.78 D	0.200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Toluene		8.78 D	0.202	0.0129	0.00201	13.7 D	0.200	0.0197	0.00200	0.0615 XF	0.00199	<0.00201	0.00201
Ethylbenzene		17.6 D	0.202	0.00742	0.00201	21.6 D	0.200	0.0129	0.00200	0.350 XF	0.00199	<0.00201	0.00201
m,p-Xylenes		13.9 D	0.403	0.0240	0.00402	16.5 D	0.399	0.0150	0.00399	0.290 XF	0.00398	<0.00402	0.00402
o-Xylene		6.19 D	0.202	0.0505	0.00201	7.24 D	0.200	0.0126	0.00200	0.177 XF	0.00199	0.00333	0.00201
Total Xylenes		20.1	0.202	0.0745	0.00201	23.7	0.200	0.0276	0.00200	0.467	0.00199	0.00333	0.00201
Total BTEX		46.6	0.00202	0.0977	0.00201	60.8	0.200	0.0602	0.00200	0.879	0.00199	0.00333	0.00201
Chloride by EPA 300	***Extracted:***	01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05	
	Analyzed:	01.09.2021 02:17		01.09.2021 02:23		01.09.2021 02:28		01.09.2021 02:44		01.09.2021 02:49		01.09.2021 03:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2440	25.3	9.87	5.00	2560	25.0	6.14	4.96	439	4.98	9.06	5.04
TPH By SW8015 Mod	***Extracted:***	01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00	
	Analyzed:	01.09.2021 01:51		01.09.2021 00:46		01.09.2021 02:13		01.09.2021 02:34		01.09.2021 02:56		01.09.2021 03:18	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		1100	250	<50.0	50.0	1590	250	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		5290	250	<50.0	50.0	7680	250	<49.9	49.9	137	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		583	250	<50.0	50.0	810	250	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		6970	250	<50.0	50.0	10100	250	<49.9	49.9	137	49.8	<50.0	50.0

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 683755

Hungry Horse LLC, Hobbs, NM

Project Name: Tamaroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 13:30

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683755-007		683755-008		683755-009		683755-010		683755-011		683755-012	
	Field Id:	SP4		SP4		SP5		SP5		SP6		SP6	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00		01.07.2021 15:00	
	Analyzed:	01.07.2021 18:28		01.07.2021 18:53		01.07.2021 19:18		01.07.2021 19:44		01.07.2021 20:09		01.07.2021 20:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.00499	0.00200	<0.00201	0.00201	0.134	0.00200	<0.00200	0.00200	<0.00199	0.00199	0.00313	0.00198
Toluene		0.0843	0.00200	0.00224	0.00201	2.07 D	0.200	0.00601	0.00200	0.00866	0.00199	0.00422	0.00198
Ethylbenzene		0.152	0.00200	<0.00201	0.00201	4.36 D	0.200	0.00464	0.00200	0.0136	0.00199	0.00311	0.00198
m,p-Xylenes		0.121	0.00401	<0.00402	0.00402	3.60 D	0.401	0.0161	0.00399	0.0119	0.00398	0.00442	0.00397
o-Xylene		0.0780	0.00200	0.0131	0.00201	1.54 D	0.200	0.0387	0.00200	0.0104	0.00199	0.00353	0.00198
Total Xylenes		0.199	0.00200	0.0131	0.00201	5.14	0.200	0.0548	0.00200	0.0223	0.00199	0.00795	0.00198
Total BTEX		0.440	0.00200	0.0153	0.00201	11.7	0.00200	0.0655	0.00200	0.0446	0.00199	0.0184	0.00198
Chloride by EPA 300	***Extracted:***	01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 16:30		01.08.2021 16:30		01.08.2021 16:30	
	Analyzed:	01.09.2021 03:10		01.09.2021 03:15		01.09.2021 03:20		01.08.2021 23:46		01.08.2021 23:51		01.08.2021 23:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		415	4.97	8.12	4.99	101	4.98	<4.99	4.99	69.5	5.00	<4.95	4.95
TPH By SW8015 Mod	***Extracted:***	01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00	
	Analyzed:	01.09.2021 03:40		01.09.2021 04:01		01.09.2021 04:23		01.09.2021 04:45		01.09.2021 05:29		01.09.2021 05:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<249	249	<49.8	49.8	257	250	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		2060	249	<49.8	49.8	2130	250	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		332	249	<49.8	49.8	254	250	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		2390	249	<49.8	49.8	2640	250	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Holly Taylor

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Certificate of Analysis Summary 683755

Hungry Horse LLC, Hobbs, NM

Project Name: Tamaroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 13:30

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683755-013		683755-014		683755-015		683755-016					
	Field Id:	SP7		SP7		SP8		SP8					
	Depth:			1- ft				1- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.07.2021 15:00		01.07.2021 15:00		01.08.2021 16:00		01.08.2021 16:00					
	Analyzed:	01.07.2021 21:00		01.07.2021 21:26		01.09.2021 02:16		01.09.2021 02:42					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202				
Toluene		<0.00199	0.00199	0.00225	0.00200	<0.00201	0.00201	<0.00202	0.00202				
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402	<0.00403	0.00403				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202				
Total BTEX		<0.00199	0.00199	0.00225	0.00200	<0.00201	0.00201	<0.00202	0.00202				
Chloride by EPA 300	***Extracted:***	01.08.2021 16:30		01.08.2021 16:30		01.08.2021 16:30		01.08.2021 16:30					
	Analyzed:	01.09.2021 00:02		01.09.2021 00:07		01.09.2021 00:12		01.09.2021 00:17					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		1190	4.95	7.90	4.95	1350	5.02	8.11	4.98				
TPH By SW8015 Mod	***Extracted:***	01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00		01.08.2021 16:00					
	Analyzed:	01.09.2021 06:12		01.09.2021 06:32		01.09.2021 06:54		01.09.2021 07:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 683755

for

Hungry Horse LLC

Project Manager: Daniel Dominquez

Tamaroa

01.13.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.13.2021

Project Manager: **Daniel Dominquez**
Hungry Horse LLC
P. O. Box 1058
Hobbs, NM 88241

Reference: Eurofins Xenco, LLC Report No(s): **683755**
Tamaroa
Project Address: Bonanza

Daniel Dominquez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683755. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683755 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 683755

Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP1	S	01.04.2021 00:00		683755-001
SP1	S	01.04.2021 00:00	1 ft	683755-002
SP2	S	01.04.2021 00:00		683755-003
SP2	S	01.04.2021 00:00	1 ft	683755-004
SP3	S	01.04.2021 00:00		683755-005
SP3	S	01.04.2021 00:00	1 ft	683755-006
SP4	S	01.04.2021 00:00		683755-007
SP4	S	01.04.2021 00:00	1 ft	683755-008
SP5	S	01.04.2021 00:00		683755-009
SP5	S	01.04.2021 00:00	1 ft	683755-010
SP6	S	01.04.2021 00:00		683755-011
SP6	S	01.04.2021 00:00	1 ft	683755-012
SP7	S	01.04.2021 00:00		683755-013
SP7	S	01.04.2021 00:00	1 ft	683755-014
SP8	S	01.04.2021 00:00		683755-015
SP8	S	01.04.2021 00:00	1 ft	683755-016

CASE NARRATIVE

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Client Name: Hungry Horse LLC

Project Name: Tamaroa

Project ID:
Work Order Number(s): *683755*

Report Date: *01.13.2021*
Date Received: *01.07.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3147126 BTEX by EPA 8021B

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 683755-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014

Lab Sample ID 683755-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 683755-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected;
Samples affected are: 683755-005 SD,683755-002,683755-004,683755-010,683755-008,683755-006.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected;
Samples affected are: 683755-006,683755-008,683755-010,683755-002.

Batch: LBA-3147379 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 683755-003,683755-001.

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Certificate of Analytical Results 683755

Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-001	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2440**	25.3	mg/kg	01.09.2021 02:17		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1100**	250	mg/kg	01.09.2021 01:51		5
Diesel Range Organics (DRO)	C10C28DRO	**5290**	250	mg/kg	01.09.2021 01:51		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**583**	250	mg/kg	01.09.2021 01:51		5
Total TPH	PHC635	**6970**	250	mg/kg	01.09.2021 01:51		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	01.09.2021 01:51	
o-Terphenyl	84-15-1	142	%	70-130	01.09.2021 01:51	**

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Certificate of Analytical Results 683755

Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-001	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.121**	0.00202	mg/kg	01.08.2021 00:25		1
Toluene	108-88-3	**8.78**	0.202	mg/kg	01.08.2021 21:03	D	100
Ethylbenzene	100-41-4	**17.6**	0.202	mg/kg	01.08.2021 21:03	D	100
m,p-Xylenes	179601-23-1	**13.9**	0.403	mg/kg	01.08.2021 21:03	D	100
o-Xylene	95-47-6	**6.19**	0.202	mg/kg	01.08.2021 21:03	D	100
Total Xylenes	1330-20-7	**20.1**	0.202	mg/kg	01.08.2021 21:03		100
Total BTEX		**46.6**	0.00202	mg/kg	01.08.2021 21:03		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	633	%	70-130	01.08.2021 00:25	**
1,4-Difluorobenzene	540-36-3	89	%	70-130	01.08.2021 00:25	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-002	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.87**	5.00	mg/kg	01.09.2021 02:23		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.09.2021 00:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.09.2021 00:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.09.2021 00:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.09.2021 00:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	01.09.2021 00:46	
o-Terphenyl	84-15-1	87	%	70-130	01.09.2021 00:46	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-002	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00289**	0.00201	mg/kg	01.08.2021 00:51		1
Toluene	108-88-3	**0.0129**	0.00201	mg/kg	01.08.2021 00:51		1
Ethylbenzene	100-41-4	**0.00742**	0.00201	mg/kg	01.08.2021 00:51		1
m,p-Xylenes	179601-23-1	**0.0240**	0.00402	mg/kg	01.08.2021 00:51		1
o-Xylene	95-47-6	**0.0505**	0.00201	mg/kg	01.08.2021 00:51		1
Total Xylenes	1330-20-7	**0.0745**	0.00201	mg/kg	01.08.2021 00:51		1
Total BTEX		**0.0977**	0.00201	mg/kg	01.08.2021 00:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	65	%	70-130	01.08.2021 00:51	**
1,4-Difluorobenzene	540-36-3	36	%	70-130	01.08.2021 00:51	**

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-003	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2560**	25.0	mg/kg	01.09.2021 02:28		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1590**	250	mg/kg	01.09.2021 02:13		5
Diesel Range Organics (DRO)	C10C28DRO	**7680**	250	mg/kg	01.09.2021 02:13		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**810**	250	mg/kg	01.09.2021 02:13		5
Total TPH	PHC635	**10100**	250	mg/kg	01.09.2021 02:13		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	01.09.2021 02:13	
o-Terphenyl	84-15-1	164	%	70-130	01.09.2021 02:13	**

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-003	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**1.78**	0.200	mg/kg	01.08.2021 21:29	D	100
Toluene	108-88-3	**13.7**	0.200	mg/kg	01.08.2021 21:29	D	100
Ethylbenzene	100-41-4	**21.6**	0.200	mg/kg	01.08.2021 21:29	D	100
m,p-Xylenes	179601-23-1	**16.5**	0.399	mg/kg	01.08.2021 21:29	D	100
o-Xylene	95-47-6	**7.24**	0.200	mg/kg	01.08.2021 21:29	D	100
Total Xylenes	1330-20-7	**23.7**	0.200	mg/kg	01.08.2021 21:29		100
Total BTEX		**60.8**	0.200	mg/kg	01.08.2021 21:29		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	123	%	70-130	01.08.2021 01:17	
4-Bromofluorobenzene	460-00-4	920	%	70-130	01.08.2021 01:17	**

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-004	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.14**	4.96	mg/kg	01.09.2021 02:44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.09.2021 02:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.09.2021 02:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.09.2021 02:34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.09.2021 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.09.2021 02:34	
o-Terphenyl	84-15-1	78	%	70-130	01.09.2021 02:34	

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Hungry Horse LLC, Hobbs, NM

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Sample Id:	**SP2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-004	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 01:42	U	1
Toluene	108-88-3	**0.0197**	0.00200	mg/kg	01.08.2021 01:42		1
Ethylbenzene	100-41-4	**0.0129**	0.00200	mg/kg	01.08.2021 01:42		1
m,p-Xylenes	179601-23-1	**0.0150**	0.00399	mg/kg	01.08.2021 01:42		1
o-Xylene	95-47-6	**0.0126**	0.00200	mg/kg	01.08.2021 01:42		1
Total Xylenes	1330-20-7	**0.0276**	0.00200	mg/kg	01.08.2021 01:42		1
Total BTEX		**0.0602**	0.00200	mg/kg	01.08.2021 01:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	36	%	70-130	01.08.2021 01:42	**
4-Bromofluorobenzene	460-00-4	75	%	70-130	01.08.2021 01:42	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-005	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**439**	4.98	mg/kg	01.09.2021 02:49		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.09.2021 02:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	**137**	49.8	mg/kg	01.09.2021 02:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.09.2021 02:56	U	1
Total TPH	PHC635	**137**	49.8	mg/kg	01.09.2021 02:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.09.2021 02:56	
o-Terphenyl	84-15-1	99	%	70-130	01.09.2021 02:56	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-005	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.07.2021 17:37	UXF	1
Toluene	108-88-3	**0.0615**	0.00199	mg/kg	01.07.2021 17:37	XF	1
Ethylbenzene	100-41-4	**0.350**	0.00199	mg/kg	01.07.2021 17:37	XF	1
m,p-Xylenes	179601-23-1	**0.290**	0.00398	mg/kg	01.07.2021 17:37	XF	1
o-Xylene	95-47-6	**0.177**	0.00199	mg/kg	01.07.2021 17:37	XF	1
Total Xylenes	1330-20-7	**0.467**	0.00199	mg/kg	01.07.2021 17:37		1
Total BTEX		**0.879**	0.00199	mg/kg	01.07.2021 17:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	73	%	70-130	01.07.2021 17:37	
4-Bromofluorobenzene	460-00-4	224	%	70-130	01.07.2021 17:37	**

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-006	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.06**	5.04	mg/kg	01.09.2021 03:04		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.09.2021 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.09.2021 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.09.2021 03:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.09.2021 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	70	%	70-130	01.09.2021 03:18	
o-Terphenyl	84-15-1	71	%	70-130	01.09.2021 03:18	

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Tamaroa

Sample Id:	**SP3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-006	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.07.2021 18:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.07.2021 18:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.07.2021 18:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.07.2021 18:03	U	1
o-Xylene	95-47-6	**0.00333**	0.00201	mg/kg	01.07.2021 18:03		1
Total Xylenes	1330-20-7	**0.00333**	0.00201	mg/kg	01.07.2021 18:03		1
Total BTEX		**0.00333**	0.00201	mg/kg	01.07.2021 18:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	12	%	70-130	01.07.2021 18:03	**
1,4-Difluorobenzene	540-36-3	10	%	70-130	01.07.2021 18:03	**

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Sample Id:	**SP4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-007	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**415**	4.97	mg/kg	01.09.2021 03:10		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<249	249	mg/kg	01.09.2021 03:40	U	5
Diesel Range Organics (DRO)	C10C28DRO	**2060**	249	mg/kg	01.09.2021 03:40		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**332**	249	mg/kg	01.09.2021 03:40		5
Total TPH	PHC635	**2390**	249	mg/kg	01.09.2021 03:40		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.09.2021 03:40	
o-Terphenyl	84-15-1	113	%	70-130	01.09.2021 03:40	

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Sample Id:	**SP4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-007	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00499**	0.00200	mg/kg	01.07.2021 18:28		1
Toluene	108-88-3	**0.0843**	0.00200	mg/kg	01.07.2021 18:28		1
Ethylbenzene	100-41-4	**0.152**	0.00200	mg/kg	01.07.2021 18:28		1
m,p-Xylenes	179601-23-1	**0.121**	0.00401	mg/kg	01.07.2021 18:28		1
o-Xylene	95-47-6	**0.0780**	0.00200	mg/kg	01.07.2021 18:28		1
Total Xylenes	1330-20-7	**0.199**	0.00200	mg/kg	01.07.2021 18:28		1
Total BTEX		**0.440**	0.00200	mg/kg	01.07.2021 18:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	162	%	70-130	01.07.2021 18:28	**
1,4-Difluorobenzene	540-36-3	76	%	70-130	01.07.2021 18:28	

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Sample Id:	**SP4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-008	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.12**	4.99	mg/kg	01.09.2021 03:15		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.09.2021 04:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.09.2021 04:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.09.2021 04:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.09.2021 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	01.09.2021 04:01	
o-Terphenyl	84-15-1	73	%	70-130	01.09.2021 04:01	

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Sample Id:	**SP4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-008	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.07.2021 18:53	U	1
Toluene	108-88-3	**0.00224**	0.00201	mg/kg	01.07.2021 18:53		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.07.2021 18:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.07.2021 18:53	U	1
o-Xylene	95-47-6	**0.0131**	0.00201	mg/kg	01.07.2021 18:53		1
Total Xylenes	1330-20-7	**0.0131**	0.00201	mg/kg	01.07.2021 18:53		1
Total BTEX		**0.0153**	0.00201	mg/kg	01.07.2021 18:53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	36	%	70-130	01.07.2021 18:53	**
4-Bromofluorobenzene	460-00-4	47	%	70-130	01.07.2021 18:53	**

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Sample Id:	**SP5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-009	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**101**	4.98	mg/kg	01.09.2021 03:20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**257**	250	mg/kg	01.09.2021 04:23		5
Diesel Range Organics (DRO)	C10C28DRO	**2130**	250	mg/kg	01.09.2021 04:23		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**254**	250	mg/kg	01.09.2021 04:23		5
Total TPH	PHC635	**2640**	250	mg/kg	01.09.2021 04:23		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.09.2021 04:23	
o-Terphenyl	84-15-1	114	%	70-130	01.09.2021 04:23	

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Sample Id:	**SP5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-009	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.134**	0.00200	mg/kg	01.07.2021 19:18		1
Toluene	108-88-3	**2.07**	0.200	mg/kg	01.08.2021 21:55	D	100
Ethylbenzene	100-41-4	**4.36**	0.200	mg/kg	01.08.2021 21:55	D	100
m,p-Xylenes	179601-23-1	**3.60**	0.401	mg/kg	01.08.2021 21:55	D	100
o-Xylene	95-47-6	**1.54**	0.200	mg/kg	01.08.2021 21:55	D	100
Total Xylenes	1330-20-7	**5.14**	0.200	mg/kg	01.08.2021 21:55		100
Total BTEX		**11.7**	0.00200	mg/kg	01.08.2021 21:55		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	433	%	70-130	01.07.2021 19:18	**
1,4-Difluorobenzene	540-36-3	90	%	70-130	01.07.2021 19:18	

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Sample Id:	**SP5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-010	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	01.08.2021 23:46	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.09.2021 04:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.09.2021 04:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.09.2021 04:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.09.2021 04:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	01.09.2021 04:45	
o-Terphenyl	84-15-1	72	%	70-130	01.09.2021 04:45	

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Sample Id:	**SP5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-010	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.07.2021 19:44	U	1
Toluene	108-88-3	**0.00601**	0.00200	mg/kg	01.07.2021 19:44		1
Ethylbenzene	100-41-4	**0.00464**	0.00200	mg/kg	01.07.2021 19:44		1
m,p-Xylenes	179601-23-1	**0.0161**	0.00399	mg/kg	01.07.2021 19:44		1
o-Xylene	95-47-6	**0.0387**	0.00200	mg/kg	01.07.2021 19:44		1
Total Xylenes	1330-20-7	**0.0548**	0.00200	mg/kg	01.07.2021 19:44		1
Total BTEX		**0.0655**	0.00200	mg/kg	01.07.2021 19:44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	57	%	70-130	01.07.2021 19:44	**
1,4-Difluorobenzene	540-36-3	35	%	70-130	01.07.2021 19:44	**

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Sample Id:	**SP6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-011	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.5**	5.00	mg/kg	01.08.2021 23:51		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.09.2021 05:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.09.2021 05:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.09.2021 05:29	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.09.2021 05:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.09.2021 05:29	
o-Terphenyl	84-15-1	85	%	70-130	01.09.2021 05:29	

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Sample Id:	**SP6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-011	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.07.2021 20:09	U	1
Toluene	108-88-3	**0.00866**	0.00199	mg/kg	01.07.2021 20:09		1
Ethylbenzene	100-41-4	**0.0136**	0.00199	mg/kg	01.07.2021 20:09		1
m,p-Xylenes	179601-23-1	**0.0119**	0.00398	mg/kg	01.07.2021 20:09		1
o-Xylene	95-47-6	**0.0104**	0.00199	mg/kg	01.07.2021 20:09		1
Total Xylenes	1330-20-7	**0.0223**	0.00199	mg/kg	01.07.2021 20:09		1
Total BTEX		**0.0446**	0.00199	mg/kg	01.07.2021 20:09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.07.2021 20:09	
1,4-Difluorobenzene	540-36-3	71	%	70-130	01.07.2021 20:09	

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Sample Id:	**SP6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-012	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.08.2021 23:56	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.09.2021 05:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.09.2021 05:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.09.2021 05:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.09.2021 05:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.09.2021 05:50	
o-Terphenyl	84-15-1	72	%	70-130	01.09.2021 05:50	

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Sample Id:	**SP6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-012	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00313**	0.00198	mg/kg	01.07.2021 20:34		1
Toluene	108-88-3	**0.00422**	0.00198	mg/kg	01.07.2021 20:34		1
Ethylbenzene	100-41-4	**0.00311**	0.00198	mg/kg	01.07.2021 20:34		1
m,p-Xylenes	179601-23-1	**0.00442**	0.00397	mg/kg	01.07.2021 20:34		1
o-Xylene	95-47-6	**0.00353**	0.00198	mg/kg	01.07.2021 20:34		1
Total Xylenes	1330-20-7	**0.00795**	0.00198	mg/kg	01.07.2021 20:34		1
Total BTEX		**0.0184**	0.00198	mg/kg	01.07.2021 20:34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.07.2021 20:34	
1,4-Difluorobenzene	540-36-3	89	%	70-130	01.07.2021 20:34	

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Sample Id:	**SP7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-013	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1190**	4.95	mg/kg	01.09.2021 00:02		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.09.2021 06:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.09.2021 06:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.09.2021 06:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.09.2021 06:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.09.2021 06:12	
o-Terphenyl	84-15-1	99	%	70-130	01.09.2021 06:12	

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Certificate of Analytical Results 683755

Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-013	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.07.2021 21:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.07.2021 21:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.07.2021 21:00	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.07.2021 21:00	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-014	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.90**	4.95	mg/kg	01.09.2021 00:07		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.09.2021 06:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.09.2021 06:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.09.2021 06:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.09.2021 06:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.09.2021 06:32	
o-Terphenyl	84-15-1	84	%	70-130	01.09.2021 06:32	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-014	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 15:00	% Moisture:	
Seq Number:	3147126			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.07.2021 21:26	U	1
Toluene	108-88-3	**0.00225**	0.00200	mg/kg	01.07.2021 21:26		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.07.2021 21:26	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.07.2021 21:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.07.2021 21:26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.07.2021 21:26	U	1
Total BTEX		**0.00225**	0.00200	mg/kg	01.07.2021 21:26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.07.2021 21:26	
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.07.2021 21:26	

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Hungry Horse LLC, Hobbs, NM

Tamaroa

Sample Id:	**SP8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-015	Date Collected:	01.04.2021 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1350**	5.02	mg/kg	01.09.2021 00:12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.09.2021 06:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.09.2021 06:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.09.2021 06:54	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.09.2021 06:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.09.2021 06:54	
o-Terphenyl	84-15-1	100	%	70-130	01.09.2021 06:54	

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Hungry Horse LLC, Hobbs, NM

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Sample Id:	**SP8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-015	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147232			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.09.2021 02:16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.09.2021 02:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	01.09.2021 02:16	
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.09.2021 02:16	

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Sample Id:	**SP8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-016	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 16:30	% Moisture:	
Seq Number:	3147324			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.11**	4.98	mg/kg	01.09.2021 00:17		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147379			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.09.2021 07:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.09.2021 07:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.09.2021 07:16	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.09.2021 07:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.09.2021 07:16	
o-Terphenyl	84-15-1	94	%	70-130	01.09.2021 07:16	

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Hungry Horse LLC, Hobbs, NM

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Sample Id:	**SP8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683755-016	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.08.2021 16:00	% Moisture:	
Seq Number:	3147232			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.09.2021 02:42	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.09.2021 02:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.09.2021 02:42	
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.09.2021 02:42	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 683755

Hungry Horse LLC

Tamaroa

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718761-1-BLK — LCS Sample Id: 7718761-1-BKS — LCSD Sample Id: 7718761-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	259	104	260	104	90-110	0	20	mg/kg	01.09.2021 01:04	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147324 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718776-1-BLK — LCS Sample Id: 7718776-1-BKS — LCSD Sample Id: 7718776-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	255	102	255	102	90-110	0	20	mg/kg	01.08.2021 21:47	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683753-009 — MS Sample Id: 683753-009 S — MSD Sample Id: 683753-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	43.7	250	296	101	295	101	90-110	0	20	mg/kg	01.09.2021 01:20	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683755-003 — MS Sample Id: 683755-003 S — MSD Sample Id: 683755-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2560	1250	3880	106	3870	105	90-110	0	20	mg/kg	01.09.2021 02:33	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147324 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683780-004 — MS Sample Id: 683780-004 S — MSD Sample Id: 683780-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.9	252	267	101	261	99	90-110	2	20	mg/kg	01.08.2021 22:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147324 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683780-014 — MS Sample Id: 683780-014 S — MSD Sample Id: 683780-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2380	1240	3500	90	3540	94	90-110	1	20	mg/kg	01.08.2021 23:15	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 683755

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Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147379 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718853-1-BLK — LCS Sample Id: 7718853-1-BKS — LCSD Sample Id: 7718853-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	984	98	968	97	70-130	2	20	mg/kg	01.09.2021 00:03	
Diesel Range Organics (DRO)	<50.0	1000	953	95	977	98	70-130	2	20	mg/kg	01.09.2021 00:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		97		100		70-130	%	01.09.2021 00:03
o-Terphenyl	102		95		100		70-130	%	01.09.2021 00:03

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147379 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718853-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.08.2021 23:41	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147379 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683755-002 — MS Sample Id: 683755-002 S — MSD Sample Id: 683755-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	968	97	931	93	70-130	4	20	mg/kg	01.09.2021 01:08	
Diesel Range Organics (DRO)	<49.9	997	977	98	914	92	70-130	7	20	mg/kg	01.09.2021 01:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		89		70-130	%	01.09.2021 01:08
o-Terphenyl	94		86		70-130	%	01.09.2021 01:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147126 — Matrix: Solid — Date Prep: 01.07.2021
MB Sample Id: 7718705-1-BLK — LCS Sample Id: 7718705-1-BKS — LCSD Sample Id: 7718705-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0927	93	0.100	100	70-130	8	35	mg/kg	01.07.2021 11:28	
Toluene	<0.00200	0.100	0.0934	93	0.102	102	70-130	9	35	mg/kg	01.07.2021 11:28	
Ethylbenzene	<0.00200	0.100	0.0910	91	0.101	101	70-130	10	35	mg/kg	01.07.2021 11:28	
m,p-Xylenes	<0.00400	0.200	0.179	90	0.201	101	70-130	12	35	mg/kg	01.07.2021 11:28	
o-Xylene	<0.00200	0.100	0.102	102	0.103	103	70-130	1	35	mg/kg	01.07.2021 11:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	84		94		93		70-130	%	01.07.2021 11:28
4-Bromofluorobenzene	110		112		108		70-130	%	01.07.2021 11:28

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 683755

Hungry Horse LLC

Tamaroa

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147232 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718791-1-BLK — LCS Sample Id: 7718791-1-BKS — LCSD Sample Id: 7718791-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0860	86	0.0894	89	70-130	4	35	mg/kg	01.08.2021 23:13	
Toluene	<0.00200	0.100	0.0873	87	0.0951	95	70-130	9	35	mg/kg	01.08.2021 23:13	
Ethylbenzene	<0.00200	0.100	0.0842	84	0.0915	92	70-130	8	35	mg/kg	01.08.2021 23:13	
m,p-Xylenes	<0.00400	0.200	0.167	84	0.183	92	70-130	9	35	mg/kg	01.08.2021 23:13	
o-Xylene	<0.00200	0.100	0.0870	87	0.0967	97	70-130	11	35	mg/kg	01.08.2021 23:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	82		86		95		70-130	%	01.08.2021 23:13
4-Bromofluorobenzene	118		102		120		70-130	%	01.08.2021 23:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147126 — Matrix: Soil — Date Prep: 01.07.2021
Parent Sample Id: 683755-005 — MS Sample Id: 683755-005 S — MSD Sample Id: 683755-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0722	72	0.0415	42	70-130	54	35	mg/kg	01.07.2021 15:29	XF
Toluene	0.0615	0.0996	0.131	70	0.0790	18	70-130	50	35	mg/kg	01.07.2021 15:29	XF
Ethylbenzene	0.350	0.0996	0.396	46	0.239	0	70-130	49	35	mg/kg	01.07.2021 15:29	XF
m,p-Xylenes	0.290	0.199	0.392	51	0.246	0	70-130	46	35	mg/kg	01.07.2021 15:29	XF
o-Xylene	0.177	0.0996	0.229	52	0.146	0	70-130	44	35	mg/kg	01.07.2021 15:29	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	79		48	**	70-130	%	01.07.2021 15:29
4-Bromofluorobenzene	207	**	131	**	70-130	%	01.07.2021 15:29

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147232 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683755-015 — MS Sample Id: 683755-015 S — MSD Sample Id: 683755-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0815	82	0.0780	78	70-130	4	35	mg/kg	01.09.2021 00:05	
Toluene	<0.00200	0.0998	0.0867	87	0.0842	84	70-130	3	35	mg/kg	01.09.2021 00:05	
Ethylbenzene	<0.00200	0.0998	0.0819	82	0.0791	79	70-130	3	35	mg/kg	01.09.2021 00:05	
m,p-Xylenes	<0.00399	0.200	0.163	82	0.157	79	70-130	4	35	mg/kg	01.09.2021 00:05	
o-Xylene	<0.00200	0.0998	0.0857	86	0.0828	83	70-130	3	35	mg/kg	01.09.2021 00:05	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		94		70-130	%	01.09.2021 00:05
4-Bromofluorobenzene	124		122		70-130	%	01.09.2021 00:05

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 683755

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Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry Horse LLC	Company Name:	
Address:	PO Box 1058	Address:	
City, State ZIP:	Hobbs NM 88241	City, State ZIP:	
Phone:		Email:	pm@hhh-hors.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tamarack	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location	Bonanza	Due Date:	
Sampler's Name:	Ashton Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.3	
Total Containers:		Corrected Temperature:	1.8	

Pres. Code

ANALYSIS REQUEST — Parameters: Chloride, BTEX, TPH

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
SP1		1/4/24		Surf		
SP1				1'		
SP 2				Surf		
SP 2				1'		
SP 3				Surf		
SP 3				1'		
SP4				Surf		
SP4				1'		
SP5				Surf		
SP5				1'		

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Armida Bustillo	2:43/ 1-6	2 Armida B.		1-2-24 11:52
3				4		
5				6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 558-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 683755

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Project Manager:	Lyndsey Wells	Bill to: (if different)	
Company Name:	Hunter Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm5@hunter-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tamerac	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location	Bonanza	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR4	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.3	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.1	
Total Containers:		Corrected Temperature:	1.8	

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	Btex	TPH	Sample Comments
SP6		1/4/21		Surf			X	X	X	
SP6				1'			X	X	X	
SP7				Surf			X	X	X	
SP7				1'			X	X	X	
SP8				Surf			X	X	X	
SP8				1'			X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Armida Bustillo	2:43 1-6	2	Armida B.		1-7 11:52
3				4			
5				6			

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Hungry Horse LLC

Date/ Time Received: 01.07.2021 11.52.00 AM

Work Order #: 683755

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.07.2021

Brianna Teel

Checklist reviewed by: Holly Taylor Date: 01.07.2021

Holly Taylor

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Certificate of Analysis Summary 683753

Hungry Horse LLC, Hobbs, NM

Project Name: Tomoroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 09:13

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683753-001		683753-002		683753-003		683753-004		683753-005		683753-006	
	Field Id:	HZ1		HZ1		HZ2		HZ2		HZ3		HZ3	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00	
	Analyzed:	01.08.2021 07:19		01.08.2021 07:45		01.08.2021 08:11		01.08.2021 13:04		01.08.2021 13:35		01.08.2021 14:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	0.00239	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Toluene		0.00485 XF	0.00200	<0.00199	0.00199	0.0230	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		0.0192 XF	0.00200	<0.00199	0.00199	0.0410	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		0.0175 XF	0.00401	<0.00398	0.00398	0.0314	0.00399	<0.00402	0.00402	<0.00402	0.00402	<0.00399	0.00399
o-Xylene		0.0137 XF	0.00200	<0.00199	0.00199	0.0149	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		0.0312	0.00200	<0.00199	0.00199	0.0463	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		0.0553	0.00200	<0.00199	0.00199	0.113	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	01.08.2021 13:50		01.08.2021 13:50		01.08.2021 13:50		01.08.2021 13:50		01.08.2021 13:50		01.08.2021 13:50	
	Analyzed:	01.08.2021 23:56		01.09.2021 00:12		01.09.2021 00:17		01.09.2021 00:22		01.09.2021 00:28		01.09.2021 00:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		357	5.03	8.09	5.00	81.7	5.00	8.78	5.00	70.4	4.97	16.4	4.99
TPH By SW8015 Mod	***Extracted:***	01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00	
	Analyzed:	01.07.2021 20:11		01.07.2021 20:29		01.07.2021 20:48		01.07.2021 21:06		01.07.2021 21:25		01.07.2021 21:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		626	49.9	<49.9	49.9	80.0	49.8	<49.9	49.9	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		182	49.9	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.0	50.0	<49.8	49.8
Total TPH		808	49.9	<49.9	49.9	80.0	49.8	<49.9	49.9	<50.0	50.0	<49.8	49.8

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 683753

Hungry Horse LLC, Hobbs, NM

Project Name: Tomoroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 09:13

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683753-007		683753-008		683753-009		683753-010		683753-011		683753-012	
	Field Id:	HZ4		HZ4		HZ5		HZ5		HZ6		HZ6	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00	
	Analyzed:	01.08.2021 14:25		01.08.2021 15:54		01.08.2021 16:19		01.08.2021 16:44		01.08.2021 18:28		01.08.2021 18:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	0.00230	0.00200
Toluene		0.0180	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	0.00414	0.00199	0.00800	0.00200
Ethylbenzene		0.0342	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	0.00235	0.00199	0.00288	0.00200
m,p-Xylenes		0.0265	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		0.0129	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		0.0394	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		0.0916	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	0.00649	0.00199	0.0132	0.00200
Chloride by EPA 300	***Extracted:***	01.08.2021 13:50		01.08.2021 13:50		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05	
	Analyzed:	01.09.2021 00:38		01.09.2021 00:43		01.09.2021 01:15		01.09.2021 01:30		01.09.2021 01:36		01.09.2021 01:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		83.6	5.05	36.5	4.95	43.7	5.00	22.4	5.04	6.64	4.98	8.49	5.00
TPH By SW8015 Mod	***Extracted:***	01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00		01.07.2021 12:00	
	Analyzed:	01.07.2021 22:03		01.07.2021 22:22		01.07.2021 22:40		01.07.2021 22:59		01.07.2021 23:18		01.07.2021 23:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		88.9	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		88.9	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 683753

Hungry Horse LLC, Hobbs, NM

Project Name: Tomoroa

Project Id:

Contact: Daniel Dominquez

Project Location: Bonanza

Date Received in Lab: Thu 01.07.2021 11:52

Report Date: 01.13.2021 09:13

Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683753-013		683753-014		683753-015		683753-016					
	Field Id:	HZ7		HZ7		HZ8		HZ8					
	Depth:			1- ft				1- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00		01.04.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00		01.07.2021 16:00					
	Analyzed:	01.08.2021 19:19		01.08.2021 19:45		01.08.2021 20:11		01.08.2021 20:37					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		0.00669	0.00199	0.00465	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Toluene		0.00775	0.00199	0.00479	0.00200	0.00405	0.00201	0.00447	0.00200				
Ethylbenzene		0.00291	0.00199	0.00201	0.00200	<0.00201	0.00201	<0.00200	0.00200				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402	<0.00401	0.00401				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200				
Total BTEX		0.0174	0.00199	0.0115	0.00200	0.00405	0.00201	0.00447	0.00200				
Chloride by EPA 300	***Extracted:***	01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05		01.08.2021 14:05					
	Analyzed:	01.09.2021 01:46		01.09.2021 02:02		01.09.2021 02:07		01.09.2021 02:12					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		7.96	5.05	8.75	5.05	16.6	4.96	10.1	4.99				
TPH By SW8015 Mod	***Extracted:***	01.08.2021 11:00		01.08.2021 11:00		01.08.2021 11:00		01.08.2021 11:00					
	Analyzed:	01.08.2021 21:53		01.08.2021 22:15		01.08.2021 22:36		01.08.2021 22:58					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8				
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 683753

for

Hungry Horse LLC

Project Manager: Daniel Dominquez

Tomoroa

01.13.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.13.2021

Project Manager: **Daniel Dominquez**
Hungry Horse LLC
P. O. Box 1058
Hobbs, NM 88241

Reference: Eurofins Xenco, LLC Report No(s): **683753**
Tomoroa
Project Address: Bonanza

Daniel Dominquez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683753. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683753 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
HZ1	S	01.04.2021 00:00		683753-001
HZ1	S	01.04.2021 00:00	1 ft	683753-002
HZ2	S	01.04.2021 00:00		683753-003
HZ2	S	01.04.2021 00:00	1 ft	683753-004
HZ3	S	01.04.2021 00:00		683753-005
HZ3	S	01.04.2021 00:00	1 ft	683753-006
HZ4	S	01.04.2021 00:00		683753-007
HZ4	S	01.04.2021 00:00	1 ft	683753-008
HZ5	S	01.04.2021 00:00		683753-009
HZ5	S	01.04.2021 00:00	1 ft	683753-010
HZ6	S	01.04.2021 00:00		683753-011
HZ6	S	01.04.2021 00:00	1 ft	683753-012
HZ7	S	01.04.2021 00:00		683753-013
HZ7	S	01.04.2021 00:00	1 ft	683753-014
HZ8	S	01.04.2021 00:00		683753-015
HZ8	S	01.04.2021 00:00	1 ft	683753-016

CASE NARRATIVE

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Client Name: Hungry Horse LLC

Project Name: Tomoroa

Project ID:
Work Order Number(s): *683753*

Report Date: *01.13.2021*
Date Received: *01.07.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3147231 BTEX by EPA 8021B

Lab Sample ID 683753-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 683753-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 683753-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016

Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 683753-001 SD.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 683753-001 SD,683753-009.

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ1** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-001 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 13:50 % Moisture:

Seq Number: 3147245 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**357**	5.03	mg/kg	01.08.2021 23:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.07.2021 20:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	**626**	49.9	mg/kg	01.07.2021 20:11		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**182**	49.9	mg/kg	01.07.2021 20:11		1
Total TPH	PHC635	**808**	49.9	mg/kg	01.07.2021 20:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.07.2021 20:11	
o-Terphenyl	84-15-1	104	%	70-130	01.07.2021 20:11	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-001	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 07:19	UXF	1
Toluene	108-88-3	**0.00485**	0.00200	mg/kg	01.08.2021 07:19	XF	1
Ethylbenzene	100-41-4	**0.0192**	0.00200	mg/kg	01.08.2021 07:19	XF	1
m,p-Xylenes	179601-23-1	**0.0175**	0.00401	mg/kg	01.08.2021 07:19	XF	1
o-Xylene	95-47-6	**0.0137**	0.00200	mg/kg	01.08.2021 07:19	XF	1
Total Xylenes	1330-20-7	**0.0312**	0.00200	mg/kg	01.08.2021 07:19		1
Total BTEX		**0.0553**	0.00200	mg/kg	01.08.2021 07:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	85	%	70-130	01.08.2021 07:19	
4-Bromofluorobenzene	460-00-4	103	%	70-130	01.08.2021 07:19	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ1** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-002 Date Collected: 01.04.2021 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 13:50 % Moisture:

Seq Number: 3147245 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.09**	5.00	mg/kg	01.09.2021 00:12		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.07.2021 20:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.07.2021 20:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.07.2021 20:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.07.2021 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	01.07.2021 20:29	
o-Terphenyl	84-15-1	107	%	70-130	01.07.2021 20:29	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ1**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-002	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.08.2021 07:45	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.08.2021 07:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	01.08.2021 07:45	
1,4-Difluorobenzene	540-36-3	79	%	70-130	01.08.2021 07:45	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ2** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-003 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 13:50 % Moisture:

Seq Number: 3147245 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**81.7**	5.00	mg/kg	01.09.2021 00:17		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.07.2021 20:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	**80.0**	49.8	mg/kg	01.07.2021 20:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.07.2021 20:48	U	1
Total TPH	PHC635	**80.0**	49.8	mg/kg	01.07.2021 20:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.07.2021 20:48	
o-Terphenyl	84-15-1	93	%	70-130	01.07.2021 20:48	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-003	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00239**	0.00200	mg/kg	01.08.2021 08:11		1
Toluene	108-88-3	**0.0230**	0.00200	mg/kg	01.08.2021 08:11		1
Ethylbenzene	100-41-4	**0.0410**	0.00200	mg/kg	01.08.2021 08:11		1
m,p-Xylenes	179601-23-1	**0.0314**	0.00399	mg/kg	01.08.2021 08:11		1
o-Xylene	95-47-6	**0.0149**	0.00200	mg/kg	01.08.2021 08:11		1
Total Xylenes	1330-20-7	**0.0463**	0.00200	mg/kg	01.08.2021 08:11		1
Total BTEX		**0.113**	0.00200	mg/kg	01.08.2021 08:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	84	%	70-130	01.08.2021 08:11	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.08.2021 08:11	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-004	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 13:50	% Moisture:	
Seq Number:	3147245			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.78**	5.00	mg/kg	01.09.2021 00:22		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.07.2021 12:00	% Moisture:	
Seq Number:	3147306			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.07.2021 21:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.07.2021 21:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.07.2021 21:06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.07.2021 21:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.07.2021 21:06	
o-Terphenyl	84-15-1	104	%	70-130	01.07.2021 21:06	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ2**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-004	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.08.2021 13:04	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.08.2021 13:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.08.2021 13:04	
1,4-Difluorobenzene	540-36-3	80	%	70-130	01.08.2021 13:04	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ3** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-005 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 13:50 % Moisture:

Seq Number: 3147245 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.4**	4.97	mg/kg	01.09.2021 00:28		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.07.2021 21:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.07.2021 21:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.07.2021 21:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.07.2021 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	01.07.2021 21:25	
o-Terphenyl	84-15-1	87	%	70-130	01.07.2021 21:25	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-005	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.08.2021 13:35	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.08.2021 13:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	134	%	70-130	01.08.2021 13:35	**
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.08.2021 13:35	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-006	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 13:50	% Moisture:	
Seq Number:	3147245			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.4**	4.99	mg/kg	01.09.2021 00:33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.07.2021 12:00	% Moisture:	
Seq Number:	3147306			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.07.2021 21:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.07.2021 21:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.07.2021 21:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.07.2021 21:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.07.2021 21:44	
o-Terphenyl	84-15-1	98	%	70-130	01.07.2021 21:44	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ3**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-006	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.08.2021 14:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.08.2021 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.08.2021 14:00	
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.08.2021 14:00	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ4** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-007 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 13:50 % Moisture:

Seq Number: 3147245 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.6**	5.05	mg/kg	01.09.2021 00:38		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.07.2021 22:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	**88.9**	50.0	mg/kg	01.07.2021 22:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.07.2021 22:03	U	1
Total TPH	PHC635	**88.9**	50.0	mg/kg	01.07.2021 22:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.07.2021 22:03	
o-Terphenyl	84-15-1	94	%	70-130	01.07.2021 22:03	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-007	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.08.2021 14:25	U	1
Toluene	108-88-3	**0.0180**	0.00201	mg/kg	01.08.2021 14:25		1
Ethylbenzene	100-41-4	**0.0342**	0.00201	mg/kg	01.08.2021 14:25		1
m,p-Xylenes	179601-23-1	**0.0265**	0.00402	mg/kg	01.08.2021 14:25		1
o-Xylene	95-47-6	**0.0129**	0.00201	mg/kg	01.08.2021 14:25		1
Total Xylenes	1330-20-7	**0.0394**	0.00201	mg/kg	01.08.2021 14:25		1
Total BTEX		**0.0916**	0.00201	mg/kg	01.08.2021 14:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.08.2021 14:25	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.08.2021 14:25	

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Certificate of Analytical Results 683753

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Sample Id:	**HZ4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-008	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 13:50	% Moisture:	
Seq Number:	3147245			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**36.5**	4.95	mg/kg	01.09.2021 00:43		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.07.2021 12:00	% Moisture:	
Seq Number:	3147306			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.07.2021 22:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.07.2021 22:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.07.2021 22:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.07.2021 22:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.07.2021 22:22	
o-Terphenyl	84-15-1	90	%	70-130	01.07.2021 22:22	

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Sample Id:	**HZ4**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-008	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.08.2021 15:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.08.2021 15:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.08.2021 15:54	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.08.2021 15:54	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ5** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-009 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 14:05 % Moisture:

Seq Number: 3147247 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.7**	5.00	mg/kg	01.09.2021 01:15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.07.2021 22:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.07.2021 22:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.07.2021 22:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.07.2021 22:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	01.07.2021 22:40	
o-Terphenyl	84-15-1	80	%	70-130	01.07.2021 22:40	

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Sample Id:	**HZ5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-009	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.08.2021 16:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.08.2021 16:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.08.2021 16:19	
4-Bromofluorobenzene	460-00-4	59	%	70-130	01.08.2021 16:19	**

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-010	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.4**	5.04	mg/kg	01.09.2021 01:30		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.07.2021 12:00	% Moisture:	
Seq Number:	3147306			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.07.2021 22:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.07.2021 22:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.07.2021 22:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.07.2021 22:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	01.07.2021 22:59	
o-Terphenyl	84-15-1	88	%	70-130	01.07.2021 22:59	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ5**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-010	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.08.2021 16:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.08.2021 16:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.08.2021 16:44	
4-Bromofluorobenzene	460-00-4	75	%	70-130	01.08.2021 16:44	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ6** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-011 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 14:05 % Moisture:

Seq Number: 3147247 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.64**	4.98	mg/kg	01.09.2021 01:36		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.07.2021 12:00 % Moisture:

Seq Number: 3147306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.07.2021 23:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.07.2021 23:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.07.2021 23:18	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.07.2021 23:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	01.07.2021 23:18	
o-Terphenyl	84-15-1	92	%	70-130	01.07.2021 23:18	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-011	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.08.2021 18:28	U	1
Toluene	108-88-3	**0.00414**	0.00199	mg/kg	01.08.2021 18:28		1
Ethylbenzene	100-41-4	**0.00235**	0.00199	mg/kg	01.08.2021 18:28		1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.08.2021 18:28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.08.2021 18:28	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.08.2021 18:28	U	1
Total BTEX		**0.00649**	0.00199	mg/kg	01.08.2021 18:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	84	%	70-130	01.08.2021 18:28	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.08.2021 18:28	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-012	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.49**	5.00	mg/kg	01.09.2021 01:41		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.07.2021 12:00	% Moisture:	
Seq Number:	3147306			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.07.2021 23:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.07.2021 23:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.07.2021 23:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.07.2021 23:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	01.07.2021 23:37	
o-Terphenyl	84-15-1	93	%	70-130	01.07.2021 23:37	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id:	**HZ6**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-012	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00230**	0.00200	mg/kg	01.08.2021 18:53		1
Toluene	108-88-3	**0.00800**	0.00200	mg/kg	01.08.2021 18:53		1
Ethylbenzene	100-41-4	**0.00288**	0.00200	mg/kg	01.08.2021 18:53		1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.08.2021 18:53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 18:53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 18:53	U	1
Total BTEX		**0.0132**	0.00200	mg/kg	01.08.2021 18:53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.08.2021 18:53	
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.08.2021 18:53	

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Hungry Horse LLC, Hobbs, NM

Tomoroa

Sample Id: **HZ7** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-013 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 14:05 % Moisture:

Seq Number: 3147247 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.96**	5.05	mg/kg	01.09.2021 01:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: MNR

Analyst: ARM Date Prep: 01.08.2021 11:00 % Moisture:

Seq Number: 3147377 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.08.2021 21:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.08.2021 21:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.08.2021 21:53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.08.2021 21:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	01.08.2021 21:53	
o-Terphenyl	84-15-1	77	%	70-130	01.08.2021 21:53	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

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Sample Id:	**HZ7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-013	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00669**	0.00199	mg/kg	01.08.2021 19:19		1
Toluene	108-88-3	**0.00775**	0.00199	mg/kg	01.08.2021 19:19		1
Ethylbenzene	100-41-4	**0.00291**	0.00199	mg/kg	01.08.2021 19:19		1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.08.2021 19:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.08.2021 19:19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.08.2021 19:19	U	1
Total BTEX		**0.0174**	0.00199	mg/kg	01.08.2021 19:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.08.2021 19:19	
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.08.2021 19:19	

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Certificate of Analytical Results 683753

Hungry Horse LLC, Hobbs, NM

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Sample Id: **HZ7** Matrix: Soil Date Received:01.07.2021 11:52
Lab Sample Id: 683753-014 Date Collected: 01.04.2021 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: CHE
Analyst: CHE Date Prep: 01.08.2021 14:05 % Moisture:
Seq Number: 3147247 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.75**	5.05	mg/kg	01.09.2021 02:02		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
Tech: MNR
Analyst: ARM Date Prep: 01.08.2021 11:00 % Moisture:
Seq Number: 3147377 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.08.2021 22:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.08.2021 22:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.08.2021 22:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.08.2021 22:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	01.08.2021 22:15	
o-Terphenyl	84-15-1	79	%	70-130	01.08.2021 22:15	

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Sample Id:	**HZ7**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-014	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00465**	0.00200	mg/kg	01.08.2021 19:45		1
Toluene	108-88-3	**0.00479**	0.00200	mg/kg	01.08.2021 19:45		1
Ethylbenzene	100-41-4	**0.00201**	0.00200	mg/kg	01.08.2021 19:45		1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.08.2021 19:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 19:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 19:45	U	1
Total BTEX		**0.0115**	0.00200	mg/kg	01.08.2021 19:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.08.2021 19:45	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.08.2021 19:45	

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Certificate of Analytical Results 683753

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Sample Id: **HZ8** Matrix: Soil Date Received:01.07.2021 11:52

Lab Sample Id: 683753-015 Date Collected: 01.04.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.08.2021 14:05 % Moisture:

Seq Number: 3147247 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.6**	4.96	mg/kg	01.09.2021 02:07		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: MNR

Analyst: ARM Date Prep: 01.08.2021 11:00 % Moisture:

Seq Number: 3147377 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.08.2021 22:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.08.2021 22:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.08.2021 22:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.08.2021 22:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.08.2021 22:36	
o-Terphenyl	84-15-1	86	%	70-130	01.08.2021 22:36	

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Sample Id:	**HZ8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-015	Date Collected:	01.04.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.08.2021 20:11	U	1
Toluene	108-88-3	**0.00405**	0.00201	mg/kg	01.08.2021 20:11		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.08.2021 20:11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.08.2021 20:11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.08.2021 20:11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.08.2021 20:11	U	1
Total BTEX		**0.00405**	0.00201	mg/kg	01.08.2021 20:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.08.2021 20:11	
1,4-Difluorobenzene	540-36-3	87	%	70-130	01.08.2021 20:11	

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Sample Id:	**HZ8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-016	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.08.2021 14:05	% Moisture:	
Seq Number:	3147247			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.1**	4.99	mg/kg	01.09.2021 02:12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	MNR				
Analyst:	ARM	Date Prep:	01.08.2021 11:00	% Moisture:	
Seq Number:	3147377			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.08.2021 22:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.08.2021 22:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.08.2021 22:58	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.08.2021 22:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	01.08.2021 22:58	
o-Terphenyl	84-15-1	84	%	70-130	01.08.2021 22:58	

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Sample Id:	**HZ8**	Matrix:	Soil	Date Received:	01.07.2021 11:52
Lab Sample Id:	683753-016	Date Collected:	01.04.2021 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MNR				
Analyst:	MNR	Date Prep:	01.07.2021 16:00	% Moisture:	
Seq Number:	3147231			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.08.2021 20:37	U	1
Toluene	108-88-3	**0.00447**	0.00200	mg/kg	01.08.2021 20:37		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.08.2021 20:37	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.08.2021 20:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.08.2021 20:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.08.2021 20:37	U	1
Total BTEX		**0.00447**	0.00200	mg/kg	01.08.2021 20:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.08.2021 20:37	
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.08.2021 20:37	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 683753

Hungry Horse LLC

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Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147245 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718758-1-BLK — LCS Sample Id: 7718758-1-BKS — LCSD Sample Id: 7718758-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	257	103	257	103	90-110	0	20	mg/kg	01.08.2021 22:12	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718761-1-BLK — LCS Sample Id: 7718761-1-BKS — LCSD Sample Id: 7718761-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	259	104	260	104	90-110	0	20	mg/kg	01.09.2021 01:04	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147245 — Matrix: Solid — Date Prep: 01.08.2021
Parent Sample Id: 683721-003 — MS Sample Id: 683721-003 S — MSD Sample Id: 683721-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2670	1260	4010	106	4000	106	90-110	0	20	mg/kg	01.08.2021 22:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147245 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683745-004 — MS Sample Id: 683745-004 S — MSD Sample Id: 683745-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.5	285	314	106	314	106	90-110	0	20	mg/kg	01.08.2021 23:41	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683753-009 — MS Sample Id: 683753-009 S — MSD Sample Id: 683753-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	43.7	250	296	101	295	101	90-110	0	20	mg/kg	01.09.2021 01:20	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147247 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683755-003 — MS Sample Id: 683755-003 S — MSD Sample Id: 683755-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2560	1250	3880	106	3870	105	90-110	0	20	mg/kg	01.09.2021 02:33	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 683753

Hungry Horse LLC

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Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147306 — Matrix: Solid — Date Prep: 01.07.2021
MB Sample Id: 7718716-1-BLK — LCS Sample Id: 7718716-1-BKS — LCSD Sample Id: 7718716-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	909	91	1010	101	70-130	11	20	mg/kg	01.07.2021 13:57	
Diesel Range Organics (DRO)	<50.0	1000	885	89	955	96	70-130	8	20	mg/kg	01.07.2021 13:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		96		107		70-130	%	01.07.2021 13:57
o-Terphenyl	94		93		103		70-130	%	01.07.2021 13:57

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147377 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718850-1-BLK — LCS Sample Id: 7718850-1-BKS — LCSD Sample Id: 7718850-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	944	94	873	87	70-130	8	20	mg/kg	01.08.2021 14:21	
Diesel Range Organics (DRO)	<50.0	1000	937	94	942	94	70-130	1	20	mg/kg	01.08.2021 14:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		96		96		70-130	%	01.08.2021 14:21
o-Terphenyl	101		95		96		70-130	%	01.08.2021 14:21

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147306 — Matrix: Solid — Date Prep: 01.07.2021
MB Sample Id: 7718716-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.07.2021 13:38	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147377 — Matrix: Solid — Date Prep: 01.08.2021
MB Sample Id: 7718850-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.08.2021 13:56	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 683753

Hungry Horse LLC

Tomoroa

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147306 — Matrix: Solid — Date Prep: 01.07.2021
Parent Sample Id: 683721-001 — MS Sample Id: 683721-001 S — MSD Sample Id: 683721-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	895	90	907	91	70-130	1	20	mg/kg	01.07.2021 14:53	
Diesel Range Organics (DRO)	<49.8	996	919	92	926	93	70-130	1	20	mg/kg	01.07.2021 14:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		86		70-130	%	01.07.2021 14:53
o-Terphenyl	94		96		70-130	%	01.07.2021 14:53

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147377 — Matrix: Soil — Date Prep: 01.08.2021
Parent Sample Id: 683559-002 — MS Sample Id: 683559-002 S — MSD Sample Id: 683559-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	1070	107	1020	102	70-130	5	20	mg/kg	01.08.2021 15:24	
Diesel Range Organics (DRO)	<49.9	998	1080	108	1000	100	70-130	8	20	mg/kg	01.08.2021 15:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		91		70-130	%	01.08.2021 15:24
o-Terphenyl	103		88		70-130	%	01.08.2021 15:24

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3147231 — Matrix: Solid — Date Prep: 01.07.2021
MB Sample Id: 7718707-1-BLK — LCS Sample Id: 7718707-1-BKS — LCSD Sample Id: 7718707-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0843	84	0.0852	85	70-130	1	35	mg/kg	01.08.2021 04:18	
Toluene	<0.00200	0.100	0.0883	88	0.0916	92	70-130	4	35	mg/kg	01.08.2021 04:18	
Ethylbenzene	<0.00200	0.100	0.0838	84	0.0875	88	70-130	4	35	mg/kg	01.08.2021 04:18	
m,p-Xylenes	<0.00400	0.200	0.165	83	0.174	87	70-130	5	35	mg/kg	01.08.2021 04:18	
o-Xylene	<0.00200	0.100	0.0862	86	0.0926	93	70-130	7	35	mg/kg	01.08.2021 04:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	79		88		93		70-130	%	01.08.2021 04:18
4-Bromofluorobenzene	108		102		109		70-130	%	01.08.2021 04:18

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 683753

Hungry Horse LLC

Tomoroa

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3147231 Matrix: Soil Date Prep: 01.07.2021

Parent Sample Id: 683753-001 MS Sample Id: 683753-001 S MSD Sample Id: 683753-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0662	66	0.0202	20	70-130	106	35	mg/kg	01.08.2021 05:09	XF
Toluene	0.00485	0.100	0.0750	70	0.0237	19	70-130	104	35	mg/kg	01.08.2021 05:09	XF
Ethylbenzene	0.0192	0.100	0.0926	73	0.0301	11	70-130	102	35	mg/kg	01.08.2021 05:09	XF
m,p-Xylenes	0.0175	0.201	0.137	59	0.0459	14	70-130	100	35	mg/kg	01.08.2021 05:09	XF
o-Xylene	0.0137	0.100	0.0760	62	0.0252	12	70-130	100	35	mg/kg	01.08.2021 05:09	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	83		25	**	70-130	%	01.08.2021 05:09
4-Bromofluorobenzene	141	**	42	**	70-130	%	01.08.2021 05:09

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 683753

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Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	pm@hungry-horse.com	

Project Name:	Tamoroa	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location	Bobcat Bonanza	Due Date:	
Sampler's Name:	Austin Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.3	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.3	
Total Containers:		Corrected Temperature:	1.0	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: 1. BTEX 2. TPH 3. Chlorides	Sample Comments
Hz 1				Surf				
Hz 1				1'				
Hz 2				Surf				
Hz 2				1'				
Hz 3				Surf				
Hz 3				1'				
Hz 4				Surf				
Hz 4				1'				
Hz 5				Surf				
Hz 5				1'				

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Armida Bustillo	2:43 1-6	2 Armida B.		1-7-21 11:52
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 683753

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Project Manager:	Lindsey Nevels	Bill to: (if different)	
Company Name:	Hungry Horse	Company Name:	
Address:	PO Box 1058	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	pm5@hungry-horse.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tamora	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location	Bonanza	Due Date:	
Sampler's Name:	Alston Rich	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.3	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.3	
Total Containers:		Corrected Temperature:	1.6	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Chloride	Benzene	BTEX	TPH	Sample Comments
H26		1/4/21		Surf			1	1	1	1	
H26				1							
H27				Surf							
H27				1							
H28				Surf							
H28				1							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Armida Bustillo	2:43 1-6	2 Armida B		1-7-21 11:52
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Hungry Horse LLC

Date/ Time Received: 01.07.2021 11.52.00 AM

Work Order #: 683753

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Brianna Teel — Date: 01.07.2021

Checklist reviewed by: Holly Taylor — Date: 01.07.2021

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-392-1
Client Project/Site: Bonzana Closure Samples

For:
Hungry Horse LLC
PO Box 1058
Hobbs, New Mexico 88241

Attn: Lindsey Nevels

Holly Taylor

Authorized for release by:
3/26/2021 4:53:06 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Laboratory Job ID: 880-392-1

Table of Contents

Definitions/Glossary

Client: Hungry Horse LLC Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Job ID: 880-392-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-392-1

Receipt
The samples were received on 3/15/2021 11:44 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-508 and analytical batch 880-528 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Client Sample ID: SW1 — Lab Sample ID: 880-392-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	47.7		4.99		mg/Kg	1		300.0	Soluble

Client Sample ID: SW2 — Lab Sample ID: 880-392-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00248		0.00200		mg/Kg	1		8021B	Total/NA
Toluene	0.00354		0.00200		mg/Kg	1		8021B	Total/NA
Total BTEX	0.0178		0.00200		mg/Kg	1		8021B	Total/NA
Xylenes, Total	0.0118		0.00399		mg/Kg	1		8021B	Total/NA
m-Xylene & p-Xylene	0.00620		0.00399		mg/Kg	1		8021B	Total/NA
o-Xylene	0.00555		0.00200		mg/Kg	1		8021B	Total/NA
Chloride	17.0		4.97		mg/Kg	1		300.0	Soluble

Client Sample ID: SW3 — Lab Sample ID: 880-392-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	13.4		4.96		mg/Kg	1		300.0	Soluble

Client Sample ID: SW4 — Lab Sample ID: 880-392-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00251		0.00201		mg/Kg	1		8021B	Total/NA
Total BTEX	0.00251		0.00201		mg/Kg	1		8021B	Total/NA
Chloride	43.7	F1	4.96		mg/Kg	1		300.0	Soluble

Client Sample ID: SW5 — Lab Sample ID: 880-392-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	14.4		4.98		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

Client Sample ID: SW1
Lab Sample ID: 880-392-1
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
Total BTEX	<0.00198	U F1 F2	0.00198		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
Xylenes, Total	<0.00397	U F1	0.00397		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.00397		mg/Kg		03/16/21 15:47	03/18/21 12:51	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		03/16/21 15:47	03/18/21 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:51*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:51*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/16/21 14:07	03/18/21 03:37	1
Total TPH	<49.9	U	49.9		mg/Kg		03/16/21 14:07	03/18/21 03:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/16/21 14:07	03/18/21 03:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/16/21 14:07	03/18/21 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*03/16/21 14:07*	*03/18/21 03:37*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/16/21 14:07*	*03/18/21 03:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.7**		4.99		mg/Kg			03/18/21 22:45	1

Client Sample ID: SW2
Lab Sample ID: 880-392-2
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00248**		0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
Toluene	**0.00354**		0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
Total BTEX	**0.0178**		0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
Xylenes, Total	**0.0118**		0.00399		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
m-Xylene & p-Xylene	**0.00620**		0.00399		mg/Kg		03/18/21 08:55	03/18/21 22:09	1
o-Xylene	**0.00555**		0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:09*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 03:57	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 03:57	1

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Client Sample ID: SW2

Lab Sample ID: 880-392-2
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:44

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 03:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*03/16/21 14:07*	*03/18/21 03:57*	*1*
o-Terphenyl	*126*		*70 - 130*	*03/16/21 14:07*	*03/18/21 03:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		4.97		mg/Kg			03/18/21 22:50	1

Client Sample ID: SW3

Lab Sample ID: 880-392-3
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 22:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:30*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:30*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 04:18	1
Total TPH	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 04:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 04:18	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/16/21 14:07	03/18/21 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*03/16/21 14:07*	*03/18/21 04:18*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/16/21 14:07*	*03/18/21 04:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		4.96		mg/Kg			03/18/21 22:55	1

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Client Sample ID: SW4

Lab Sample ID: 880-392-4

Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00251**		0.00201		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
Total BTEX	**0.00251**		0.00201		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/23/21 10:56	03/23/21 14:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/21 10:56	03/23/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/21 10:56*	*03/23/21 14:42*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/21 10:56*	*03/23/21 14:42*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+ *1	49.7		mg/Kg		03/18/21 15:13	03/19/21 19:25	1
Total TPH	<49.7	U	49.7		mg/Kg		03/18/21 15:13	03/19/21 19:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/18/21 15:13	03/19/21 19:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/18/21 15:13	03/19/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/18/21 15:13*	*03/19/21 19:25*	*1*
o-Terphenyl	*80*		*70 - 130*	*03/18/21 15:13*	*03/19/21 19:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**	**F1**	4.96		mg/Kg			03/18/21 23:00	1

Client Sample ID: SW5

Lab Sample ID: 880-392-5

Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:50*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/18/21 08:55*	*03/18/21 22:50*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		03/18/21 15:13	03/19/21 19:46	1
Total TPH	<49.9	U	49.9		mg/Kg		03/18/21 15:13	03/19/21 19:46	1

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Client Sample ID: SW5

Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:44

Lab Sample ID: 880-392-5

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/21 15:13	03/19/21 19:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/21 15:13	03/19/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/18/21 15:13*	*03/19/21 19:46*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/18/21 15:13*	*03/19/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		4.98		mg/Kg			03/18/21 23:15	1

Surrogate Summary

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-139-B-4 MS	Matrix Spike	93	99
820-139-B-4 MSD	Matrix Spike Duplicate	97	101
880-392-1	SW1	111	103
880-392-1 MS	SW1	105	102
880-392-1 MSD	SW1	104	101
880-392-2	SW2	109	98
880-392-3	SW3	109	99
880-392-4	SW4	95	100
880-392-5	SW5	107	97
880-393-A-11-A MS	Matrix Spike	105	102
880-393-A-11-B MSD	Matrix Spike Duplicate	110	104
890-370-A-1-F MS	Matrix Spike	126	104
890-370-A-1-G MSD	Matrix Spike Duplicate	133 S1+	111
LCS 880-508/1-B	Lab Control Sample	99	98
LCS 880-551/1-A	Lab Control Sample	101	100
LCS 880-598/1-A	Lab Control Sample	103	99
LCS 880-750/33	Lab Control Sample	94	94
LCS 880-841/1-A	Lab Control Sample	98	101
LCSD 880-508/2-B	Lab Control Sample Dup	100	100
LCSD 880-551/2-A	Lab Control Sample Dup	99	99
LCSD 880-598/2-A	Lab Control Sample Dup	95	98
LCSD 880-750/34	Lab Control Sample Dup	97	100
LCSD 880-841/2-A	Lab Control Sample Dup	101	100
MB 880-500/5-A	Method Blank	103	94
MB 880-508/5-B	Method Blank	100	95
MB 880-551/5-A	Method Blank	83	85
MB 880-598/5-A	Method Blank	111	95
MB 880-841/5-A	Method Blank	100	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
880-392-4 MSD	SW4		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Hungry Horse LLC Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-392-1	SW1	122	112								
880-392-2	SW2	130	126								
880-392-3	SW3	125	119								
880-392-4	SW4	90	80								
880-392-5	SW5	104	106								
880-401-A-18-C MS	Matrix Spike	141 S1+	109								
880-401-A-18-D MSD	Matrix Spike Duplicate	145 S1+	111								
890-366-A-1-B MS	Matrix Spike	134 S1+	127								
890-366-A-1-C MSD	Matrix Spike Duplicate	100	94								
LCS 880-506/2-A	Lab Control Sample	128	110								
LCS 880-569/2-A	Lab Control Sample	113	106								
LCSD 880-506/3-A	Lab Control Sample Dup	132 S1+	114								
LCSD 880-569/3-A	Lab Control Sample Dup	115	108								
MB 880-506/1-A	Method Blank	120	115								
MB 880-569/1-A	Method Blank	115	119								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-500/5-A
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 500

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/17/21 15:42	03/18/21 02:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/17/21 15:42	03/18/21 02:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/17/21 15:42*	*03/18/21 02:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/17/21 15:42*	*03/18/21 02:06*	*1*

Lab Sample ID: MB 880-508/5-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:22*	*1*

Lab Sample ID: LCS 880-508/1-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08775		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09672		mg/Kg		97	70 - 130		
Toluene			0.100	0.09571		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1988		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.09865		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-508/2-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 508

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09498		mg/Kg		95	70 - 130	8	35
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130	7	35
Toluene			0.100	0.1015		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2126		mg/Kg		106	70 - 130	7	35
o-Xylene			0.100	0.1053		mg/Kg		105	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-392-1 MS
Matrix: Solid
Analysis Batch: 528

Client Sample ID: SW1
Prep Type: Total/NA
Prep Batch: 508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1 F2	0.0990	<0.00198	U F1	mg/Kg		0.5	70 - 130
Ethylbenzene	<0.00198	U F1	0.0990	<0.00198	U F1	mg/Kg		0.9	70 - 130
Toluene	<0.00198	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.198	<0.00396	U F1	mg/Kg		0.9	70 - 130
o-Xylene	<0.00198	U F1	0.0990	0.002207	F1	mg/Kg		2	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-392-1 MSD
Matrix: Solid
Analysis Batch: 528

Client Sample ID: SW1
Prep Type: Total/NA
Prep Batch: 508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1 F2	0.101	0.005937	F1 F2	mg/Kg		6	70 - 130	167	35
Ethylbenzene	<0.00198	U F1	0.101	<0.00201	U F1	mg/Kg		1	70 - 130	23	35
Toluene	<0.00198	U F1	0.101	0.002464	F1	mg/Kg		2	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.201	<0.00402	U F1 F2	mg/Kg		2	70 - 130	67	35
o-Xylene	<0.00198	U F1	0.101	0.002111	F1	mg/Kg		2	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-551/5-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-551/5-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:20*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:20*	*1*

Lab Sample ID: LCS 880-551/1-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08106		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08817		mg/Kg		88	70 - 130		
Toluene			0.100	0.08207		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene			0.200	0.1778		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.09781		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-551/2-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 551

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08275		mg/Kg		83	70 - 130	2	35
Ethylbenzene			0.100	0.08866		mg/Kg		89	70 - 130	1	35
Toluene			0.100	0.08390		mg/Kg		84	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1775		mg/Kg		89	70 - 130	0	35
o-Xylene			0.100	0.09847		mg/Kg		98	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-393-A-11-A MS
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00201	U	0.100	0.08396		mg/Kg		84	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.08706		mg/Kg		87	70 - 130		
Toluene	<0.00201	U	0.100	0.08324		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1746		mg/Kg		87	70 - 130		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-393-A-11-A MS
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00201	U	0.100	0.09761		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-393-A-11-B MSD
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08216		mg/Kg		82	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.101	0.08582		mg/Kg		85	70 - 130	1	35
Toluene	<0.00201	U	0.101	0.08228		mg/Kg		82	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1717		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00201	U	0.101	0.09595		mg/Kg		95	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-598/5-A
Matrix: Solid
Analysis Batch: 750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/23/21 10:55	03/23/21 14:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/21 10:55	03/23/21 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/21 10:55*	*03/23/21 14:21*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/23/21 10:55*	*03/23/21 14:21*	*1*

Lab Sample ID: LCS 880-598/1-A
Matrix: Solid
Analysis Batch: 750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1127		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1224		mg/Kg		122	70 - 130
Toluene	0.100	0.1235		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2443		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-598/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 750 — **Prep Batch: 598**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1025		mg/Kg		103	70 - 130	9	35
Ethylbenzene			0.100	0.1066		mg/Kg		107	70 - 130	14	35
Toluene			0.100	0.1098		mg/Kg		110	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.2156		mg/Kg		108	70 - 130	13	35
o-Xylene			0.100	0.1043		mg/Kg		104	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-392-4 MSD — **Client Sample ID: SW4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 750 — **Prep Batch: 598**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00251		0.0990	0.08313		mg/Kg					
Ethylbenzene	<0.00201	U	0.0990	0.08926		mg/Kg					
Toluene	<0.00201	U	0.0990	0.09369		mg/Kg					
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1854		mg/Kg					
o-Xylene	<0.00201	U	0.0990	0.09159		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: LCS 880-750/33 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 750

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09625		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09387		mg/Kg		94	70 - 130		
Toluene			0.100	0.09905		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.1911		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09323		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-750/34
Matrix: Solid
Analysis Batch: 750

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09334		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.09386		mg/Kg		94	70 - 130	0	35
Toluene			0.100	0.09822		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1832		mg/Kg		92	70 - 130	4	35
o-Xylene			0.100	0.09233		mg/Kg		92	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 820-139-B-4 MS
Matrix: Solid
Analysis Batch: 750

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.09680		mg/Kg		97	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09539		mg/Kg		95	70 - 130		
Toluene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1903		mg/Kg		95	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09170		mg/Kg		92	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 820-139-B-4 MSD
Matrix: Solid
Analysis Batch: 750

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09907		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1043		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2017		mg/Kg		101	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.09808		mg/Kg		98	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-841/5-A
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 841

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:12	03/25/21 14:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:12	03/25/21 14:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:12	03/25/21 14:23	1

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-841/5-A
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 841

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 10:12	03/25/21 14:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 10:12	03/25/21 14:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 10:12	03/25/21 14:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:12	03/25/21 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/25/21 10:12*	*03/25/21 14:23*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/25/21 10:12*	*03/25/21 14:23*	*1*

Lab Sample ID: LCS 880-841/1-A
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 841

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09164		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.09034		mg/Kg		90	70 - 130		
Toluene			0.100	0.08687		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1780		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.08846		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-841/2-A
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 841

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09137		mg/Kg		91	70 - 130	0	35
Ethylbenzene			0.100	0.09348		mg/Kg		93	70 - 130	3	35
Toluene			0.100	0.08898		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1849		mg/Kg		92	70 - 130	4	35
o-Xylene			0.100	0.09101		mg/Kg		91	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-370-A-1-F MS
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0998	0.1023		mg/Kg		103	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1007		mg/Kg		101	70 - 130		
Toluene	<0.00200	U	0.0998	0.09880		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2034		mg/Kg		102	70 - 130		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-370-A-1-F MS
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00200	U F1	0.0998	0.1125		mg/Kg		113	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-370-A-1-G MSD
Matrix: Solid
Analysis Batch: 830

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0994	0.1320	F1	mg/Kg		133	70 - 130	25	35
Ethylbenzene	<0.00200	U	0.0994	0.1245		mg/Kg		125	70 - 130	21	35
Toluene	<0.00200	U	0.0994	0.1215		mg/Kg		122	70 - 130	21	35
m-Xylene & p-Xylene	<0.00400	U	0.199	0.2562		mg/Kg		129	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0994	0.1422	F1	mg/Kg		143	70 - 130	23	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-506/1-A
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/16/21 14:07	03/17/21 21:43	1
Total TPH	<50.0	U	50.0	mg/Kg		03/16/21 14:07	03/17/21 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/16/21 14:07	03/17/21 21:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/16/21 14:07	03/17/21 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*03/16/21 14:07*	*03/17/21 21:43*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/16/21 14:07*	*03/17/21 21:43*	*1*

Lab Sample ID: LCS 880-506/2-A
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1183		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130

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QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-506/2-A
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-506/3-A
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1247		mg/Kg		125	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1213		mg/Kg		121	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-401-A-18-C MS
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1107		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1156		mg/Kg		116	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-401-A-18-D MSD
Matrix: Solid
Analysis Batch: 543

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	1125		mg/Kg		112	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	1176		mg/Kg		118	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	111		70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-569/1-A
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/21 15:13	03/19/21 16:14	1
Total TPH	<50.0	U	50.0		mg/Kg		03/18/21 15:13	03/19/21 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/21 15:13	03/19/21 16:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/21 15:13	03/19/21 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*03/18/21 15:13*	*03/19/21 16:14*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/18/21 15:13*	*03/19/21 16:14*	*1*

Lab Sample ID: LCS 880-569/2-A
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1456	*+	mg/Kg		146	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1043		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-569/3-A
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 569

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1142	*1	mg/Kg		114	70 - 130	24	20
Diesel Range Organics (Over C10-C28)			1000	1080		mg/Kg		108	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-366-A-1-B MS
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1 F2	997	1259		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F2	997	1225		mg/Kg		123	70 - 130		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-366-A-1-B MS
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 569

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 890-366-A-1-C MSD
Matrix: Solid
Analysis Batch: 619

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1 F2	998	953.5	F2	mg/Kg		94	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<49.8	U F2	998	928.9	F2	mg/Kg		93	70 - 130	27	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-582/3-A
Matrix: Solid
Analysis Batch: 585

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-392-4 MS
Matrix: Solid
Analysis Batch: 585

Client Sample ID: SW4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	43.7	F1	248	331.8	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-392-4 MSD
Matrix: Solid
Analysis Batch: 585

Client Sample ID: SW4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	43.7	F1	248	332.2	F1	mg/Kg		116	90 - 110	0	20

QC Association Summary

Client: Hungry Horse LLC Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

GC VOA

Prep Batch: 500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-500/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Total/NA	Solid	5035	
MB 880-508/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-508/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-508/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-392-1 MS	SW1	Total/NA	Solid	5035	
880-392-1 MSD	SW1	Total/NA	Solid	5035	

Analysis Batch: 528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Total/NA	Solid	8021B	508
MB 880-500/5-A	Method Blank	Total/NA	Solid	8021B	500
MB 880-508/5-B	Method Blank	Total/NA	Solid	8021B	508
LCS 880-508/1-B	Lab Control Sample	Total/NA	Solid	8021B	508
LCSD 880-508/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	508
880-392-1 MS	SW1	Total/NA	Solid	8021B	508
880-392-1 MSD	SW1	Total/NA	Solid	8021B	508

Prep Batch: 551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-2	SW2	Total/NA	Solid	5035	
880-392-3	SW3	Total/NA	Solid	5035	
880-392-5	SW5	Total/NA	Solid	5035	
MB 880-551/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-551/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-551/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-393-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-393-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-2	SW2	Total/NA	Solid	8021B	551
880-392-3	SW3	Total/NA	Solid	8021B	551
880-392-5	SW5	Total/NA	Solid	8021B	551
MB 880-551/5-A	Method Blank	Total/NA	Solid	8021B	551
LCS 880-551/1-A	Lab Control Sample	Total/NA	Solid	8021B	551
LCSD 880-551/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	551
880-393-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	551
880-393-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	551

Prep Batch: 598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-4	SW4	Total/NA	Solid	5035	
MB 880-598/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-598/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-598/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-392-4 MSD	SW4	Total/NA	Solid	5035	

QC Association Summary

Client: Hungry Horse LLC Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

GC VOA

Analysis Batch: 750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-4	SW4	Total/NA	Solid	8021B	598
MB 880-598/5-A	Method Blank	Total/NA	Solid	8021B	598
LCS 880-598/1-A	Lab Control Sample	Total/NA	Solid	8021B	598
LCS 880-750/33	Lab Control Sample	Total/NA	Solid	8021B	
LCSD 880-598/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	598
LCSD 880-750/34	Lab Control Sample Dup	Total/NA	Solid	8021B	
820-139-B-4 MS	Matrix Spike	Total/NA	Solid	8021B	
820-139-B-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	
880-392-4 MSD	SW4	Total/NA	Solid	8021B	598

Analysis Batch: 830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-841/5-A	Method Blank	Total/NA	Solid	8021B	841
LCS 880-841/1-A	Lab Control Sample	Total/NA	Solid	8021B	841
LCSD 880-841/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	841
890-370-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	841
890-370-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	841

Prep Batch: 841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-841/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-841/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-841/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-370-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-370-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Total/NA	Solid	8015NM Prep	
880-392-2	SW2	Total/NA	Solid	8015NM Prep	
880-392-3	SW3	Total/NA	Solid	8015NM Prep	
MB 880-506/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-506/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-401-A-18-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-401-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Total/NA	Solid	8015B NM	506
880-392-2	SW2	Total/NA	Solid	8015B NM	506
880-392-3	SW3	Total/NA	Solid	8015B NM	506
MB 880-506/1-A	Method Blank	Total/NA	Solid	8015B NM	506
LCS 880-506/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	506
LCSD 880-506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	506
880-401-A-18-C MS	Matrix Spike	Total/NA	Solid	8015B NM	506
880-401-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	506

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

GC Semi VOA

Prep Batch: 569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-4	SW4	Total/NA	Solid	8015NM Prep	
880-392-5	SW5	Total/NA	Solid	8015NM Prep	
MB 880-569/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-569/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-366-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-366-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-4	SW4	Total/NA	Solid	8015B NM	569
880-392-5	SW5	Total/NA	Solid	8015B NM	569
MB 880-569/1-A	Method Blank	Total/NA	Solid	8015B NM	569
LCS 880-569/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	569
LCSD 880-569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	569
890-366-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	569
890-366-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	569

HPLC/IC

Leach Batch: 582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Soluble	Solid	DI Leach	
880-392-2	SW2	Soluble	Solid	DI Leach	
880-392-3	SW3	Soluble	Solid	DI Leach	
880-392-4	SW4	Soluble	Solid	DI Leach	
880-392-5	SW5	Soluble	Solid	DI Leach	
LCSD 880-582/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-392-4 MS	SW4	Soluble	Solid	DI Leach	
880-392-4 MSD	SW4	Soluble	Solid	DI Leach	

Analysis Batch: 585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-392-1	SW1	Soluble	Solid	300.0	582
880-392-2	SW2	Soluble	Solid	300.0	582
880-392-3	SW3	Soluble	Solid	300.0	582
880-392-4	SW4	Soluble	Solid	300.0	582
880-392-5	SW5	Soluble	Solid	300.0	582
LCSD 880-582/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	582
880-392-4 MS	SW4	Soluble	Solid	300.0	582
880-392-4 MSD	SW4	Soluble	Solid	300.0	582

Lab Chronicle

Client: Hungry Horse LLC
Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

Client Sample ID: SW1
Lab Sample ID: 880-392-1
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 12:51	MR	XM
Total/NA	Prep	8015NM Prep			506	03/16/21 14:07	DM	XM
Total/NA	Analysis	8015B NM		1	543	03/18/21 03:37	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 22:45	CH	XM

Client Sample ID: SW2
Lab Sample ID: 880-392-2
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 22:09	PXS	XM
Total/NA	Prep	8015NM Prep			506	03/16/21 14:07	DM	XM
Total/NA	Analysis	8015B NM		1	543	03/18/21 03:57	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 22:50	CH	XM

Client Sample ID: SW3
Lab Sample ID: 880-392-3
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 22:30	PXS	XM
Total/NA	Prep	8015NM Prep			506	03/16/21 14:07	DM	XM
Total/NA	Analysis	8015B NM		1	543	03/18/21 04:18	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 22:55	CH	XM

Client Sample ID: SW4
Lab Sample ID: 880-392-4
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			598	03/23/21 10:56	MR	XM
Total/NA	Analysis	8021B		1	750	03/23/21 14:42	PXS	XM
Total/NA	Prep	8015NM Prep			569	03/18/21 15:13	DM	XM
Total/NA	Analysis	8015B NM		1	619	03/19/21 19:25	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:00	CH	XM

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Client Sample ID: SW5

Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:44

Lab Sample ID: 880-392-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 22:50	PXS	XM
Total/NA	Prep	8015NM Prep			569	03/18/21 15:13	DM	XM
Total/NA	Analysis	8015B NM		1	619	03/19/21 19:46	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:15	CH	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Hungry Horse LLC
Job ID: 880-392-1
Project/Site: Bonzana Closure Samples

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Hungry Horse LLC
Project/Site: Bonzana Closure Samples

Job ID: 880-392-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-392-1	SW1	Solid	03/10/21 00:00	03/15/21 11:44	
880-392-2	SW2	Solid	03/10/21 00:00	03/15/21 11:44	
880-392-3	SW3	Solid	03/10/21 00:00	03/15/21 11:44	
880-392-4	SW4	Solid	03/10/21 00:00	03/15/21 11:44	
880-392-5	SW5	Solid	03/10/21 00:00	03/15/21 11:44	

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta, GA (770) 449-8800

880-392 Chain of Custody

www xenco com Page _____ of _____

Project Manager	Lindsey Nevels	Bill to (if different)	
Company Name	Hungry Horse LLC	Company Name	
Address		Address	
City, State ZIP	Hobbs, NM	City, State ZIP	
Phone		Email	pm@hungry-horse com

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐
State of Project.
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Bonanza Closure Samples	Turn Around	
Project Number		☑ Routine ☐ Rush	
Project Location	Lea County	Due Date	
Sampler's Name	Bradley Wells	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Received Intact.	(Yes) No	Thermometer ID	R 8	
Cooler Custody Seals	Yes No (N/A)	Correction Factor	0 5	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	25/30	
Total Containers		Corrected Temperature	30	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride	TPH	BTEX
Sw1		3/10/2021		3				X	X	X
Sw2		3/10/2021		3"				X	X	X
Sw3		3/10/2021		3"				X	X	X
Sw4		3/10/2021		3"				X	X	X
Sw5		3/10/2021		3'				X	X	X

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg 1631 / 245.1 / 7470 / 7471**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

0.7 / 1.2

	Relinquished by (Signature)	Received by (Signature)	Date/Time		Relinquished by (Signature)	Received by (Signature)	Date/Time
1		Eja Carille	3-12-21 2:00	2	Eja Carille		3/15/21 9.30
3				4			
5				6			

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Hungry Horse LLC Job Number: 880-392-1

Login Number: 392 **List Source: Eurofins Midland**
List Number: 1
Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-393-1
Client Project/Site: Bonanza Closure Samples

For:
Hungry Horse LLC
PO Box 1058
Hobbs, New Mexico 88241

Attn: Lindsey Nevels

Holly Taylor

Authorized for release by:
3/25/2021 12:54:49 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Laboratory Job ID: 880-393-1

Table of Contents

Definitions/Glossary

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Job ID: 880-393-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-393-1

Receipt
The samples were received on 3/15/2021 11:47 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-508 and analytical batch 880-528 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL1 — Lab Sample ID: 880-393-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.00447		0.00201		mg/Kg	1		8021B	Total/NA
Toluene	0.00813		0.00201		mg/Kg	1		8021B	Total/NA
Total BTEX	0.0269		0.00201		mg/Kg	1		8021B	Total/NA
Xylenes, Total	0.0143		0.00402		mg/Kg	1		8021B	Total/NA
m-Xylene & p-Xylene	0.0105		0.00402		mg/Kg	1		8021B	Total/NA
o-Xylene	0.00378		0.00201		mg/Kg	1		8021B	Total/NA
Chloride	23.4		5.03		mg/Kg	1		300.0	Soluble

Client Sample ID: FL2 — Lab Sample ID: 880-393-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00369		0.00202		mg/Kg	1		8021B	Total/NA
Total BTEX	0.00369		0.00202		mg/Kg	1		8021B	Total/NA
Chloride	25.9		5.05		mg/Kg	1		300.0	Soluble

Client Sample ID: FL3 — Lab Sample ID: 880-393-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	34.2		5.05		mg/Kg	1		300.0	Soluble

Client Sample ID: FL4 — Lab Sample ID: 880-393-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	57.6		4.96		mg/Kg	1		300.0	Soluble

Client Sample ID: FL5 — Lab Sample ID: 880-393-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	21.9		4.95		mg/Kg	1		300.0	Soluble

Client Sample ID: FL6 — Lab Sample ID: 880-393-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	31.5		4.95		mg/Kg	1		300.0	Soluble

Client Sample ID: FL7 — Lab Sample ID: 880-393-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	24.7		5.04		mg/Kg	1		300.0	Soluble

Client Sample ID: FL8 — Lab Sample ID: 880-393-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	34.4		5.04		mg/Kg	1		300.0	Soluble

Client Sample ID: FL9 — Lab Sample ID: 880-393-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	28.1		4.96		mg/Kg	1		300.0	Soluble

Client Sample ID: FL10 — Lab Sample ID: 880-393-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	22.9		5.04		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Detection Summary

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL11 — Lab Sample ID: 880-393-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	20.5		5.02		mg/Kg	1		300.0	Soluble

Client Sample ID: FL12 — Lab Sample ID: 880-393-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	23.5		4.98		mg/Kg	1		300.0	Soluble

Client Sample ID: FL13 — Lab Sample ID: 880-393-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	17.4		4.99		mg/Kg	1		300.0	Soluble

Client Sample ID: FL14 — Lab Sample ID: 880-393-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	23.5		5.00		mg/Kg	1		300.0	Soluble

Client Sample ID: FL15 — Lab Sample ID: 880-393-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	26.8		5.00		mg/Kg	1		300.0	Soluble

Client Sample ID: FL16 — Lab Sample ID: 880-393-16

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	14.1		5.00		mg/Kg	1		300.0	Soluble

Client Sample ID: FL17 — Lab Sample ID: 880-393-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	11.8		5.04		mg/Kg	1		300.0	Soluble

Client Sample ID: FL18 — Lab Sample ID: 880-393-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	37.2		4.95		mg/Kg	1		300.0	Soluble

Client Sample ID: FL19 — Lab Sample ID: 880-393-19

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	28.1		4.95		mg/Kg	1		300.0	Soluble

Client Sample ID: FL20 — Lab Sample ID: 880-393-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	37.0		5.04		mg/Kg	1		300.0	Soluble

Client Sample ID: FL21 — Lab Sample ID: 880-393-21

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	32.6		5.05		mg/Kg	1		300.0	Soluble

Client Sample ID: FL22 — Lab Sample ID: 880-393-22

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Detection Summary

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL23 — Lab Sample ID: 880-393-23

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	18.6		4.99		mg/Kg	1		300.0	Soluble

Client Sample ID: FL24 — Lab Sample ID: 880-393-24

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	17.0		4.98		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL1
Lab Sample ID: 880-393-1
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
Ethylbenzene	**0.00447**		0.00201		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
Toluene	**0.00813**		0.00201		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
Total BTEX	**0.0269**		0.00201		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
Xylenes, Total	**0.0143**		0.00402		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
m-Xylene & p-Xylene	**0.0105**		0.00402		mg/Kg		03/16/21 15:47	03/18/21 16:57	1
o-Xylene	**0.00378**		0.00201		mg/Kg		03/16/21 15:47	03/18/21 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/16/21 15:47*	*03/18/21 16:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/16/21 15:47*	*03/18/21 16:57*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		03/18/21 17:00	03/19/21 17:17	1
Total TPH	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 17:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 17:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/18/21 17:00*	*03/19/21 17:17*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/18/21 17:00*	*03/19/21 17:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.4**		5.03		mg/Kg			03/18/21 23:20	1

Client Sample ID: FL2
Lab Sample ID: 880-393-2
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
Toluene	**0.00369**		0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
Total BTEX	**0.00369**		0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 17:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:17*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		03/18/21 17:00	03/19/21 18:21	1
Total TPH	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 18:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL2
Lab Sample ID: 880-393-2
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 18:21	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/18/21 17:00*	*03/19/21 18:21*	*1*
o-Terphenyl	*96*		*70 - 130*	*03/18/21 17:00*	*03/19/21 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.9**		5.05		mg/Kg			03/18/21 23:35	1

Client Sample ID: FL3
Lab Sample ID: 880-393-3
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/16/21 15:47	03/18/21 17:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:38*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:38*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		03/18/21 17:00	03/19/21 18:42	1
Total TPH	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 18:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/18/21 17:00*	*03/19/21 18:42*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/18/21 17:00*	*03/19/21 18:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.2**		5.05		mg/Kg			03/18/21 23:40	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL4
Lab Sample ID: 880-393-4
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/16/21 15:47	03/18/21 17:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/21 15:47	03/18/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:58*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/16/21 15:47*	*03/18/21 17:58*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		03/18/21 17:00	03/19/21 19:04	1
Total TPH	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 19:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 19:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:04*	*1*
o-Terphenyl	*86*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.6**		4.96		mg/Kg			03/18/21 23:45	1

Client Sample ID: FL5
Lab Sample ID: 880-393-5
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/18/21 17:24	03/19/21 03:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/18/21 17:24*	*03/19/21 03:34*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/18/21 17:24*	*03/19/21 03:34*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		03/18/21 17:00	03/19/21 19:25	1
Total TPH	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 19:25	1

Eurofins Xenco, Midland

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL5

Lab Sample ID: 880-393-5
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 19:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/21 17:00	03/19/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:25*	*1*
o-Terphenyl	*81*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		4.95		mg/Kg			03/18/21 23:50	1

Client Sample ID: FL6

Lab Sample ID: 880-393-6
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 17:24	03/19/21 03:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 17:24	03/19/21 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*03/18/21 17:24*	*03/19/21 03:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/18/21 17:24*	*03/19/21 03:54*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		03/18/21 17:00	03/19/21 19:46	1
Total TPH	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 19:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 19:46	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/21 17:00	03/19/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:46*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/18/21 17:00*	*03/19/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.5**		4.95		mg/Kg			03/18/21 23:55	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL7
Lab Sample ID: 880-393-7
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/16/21 15:47	03/18/21 18:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/16/21 15:47	03/18/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/16/21 15:47*	*03/18/21 18:59*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/16/21 15:47*	*03/18/21 18:59*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		03/24/21 09:20	03/25/21 02:49	1
Total TPH	<49.9	U	49.9		mg/Kg		03/24/21 09:20	03/25/21 02:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/24/21 09:20	03/25/21 02:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/21 09:20	03/25/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*03/24/21 09:20*	*03/25/21 02:49*	*1*
o-Terphenyl	*72*		*70 - 130*	*03/24/21 09:20*	*03/25/21 02:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		5.04		mg/Kg			03/19/21 00:00	1

Client Sample ID: FL8
Lab Sample ID: 880-393-8
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/16/21 15:47	03/18/21 19:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/16/21 15:47*	*03/18/21 19:20*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/16/21 15:47*	*03/18/21 19:20*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		03/18/21 17:00	03/19/21 20:28	1
Total TPH	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 20:28	1

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Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL8

Lab Sample ID: 880-393-8
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 20:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/18/21 17:00*	*03/19/21 20:28*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/18/21 17:00*	*03/19/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.4**		5.04		mg/Kg			03/19/21 00:05	1

Client Sample ID: FL9

Lab Sample ID: 880-393-9
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/16/21 15:47	03/18/21 19:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/16/21 15:47*	*03/18/21 19:40*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/16/21 15:47*	*03/18/21 19:40*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		03/21/21 10:35	03/22/21 13:26	1
Total TPH	<49.9	U F1	49.9		mg/Kg		03/21/21 10:35	03/22/21 13:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		03/21/21 10:35	03/22/21 13:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/21/21 10:35*	*03/22/21 13:26*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/21/21 10:35*	*03/22/21 13:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.1**		4.96		mg/Kg			03/19/21 13:19	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL10
Lab Sample ID: 880-393-10
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 16:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:02*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 14:29	1
Total TPH	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 14:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 14:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/21/21 10:35*	*03/22/21 14:29*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/21/21 10:35*	*03/22/21 14:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		5.04		mg/Kg			03/19/21 13:35	1

Client Sample ID: FL11
Lab Sample ID: 880-393-11
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 15:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:42*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:42*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 14:49	1
Total TPH	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 14:49	1

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Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL11

Lab Sample ID: 880-393-11
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 14:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/21/21 10:35*	*03/22/21 14:49*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/21/21 10:35*	*03/22/21 14:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.5**		5.02		mg/Kg			03/19/21 13:40	1

Client Sample ID: FL12

Lab Sample ID: 880-393-12
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 16:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:23*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:23*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:10	1
Total TPH	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:10	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:10*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		4.98		mg/Kg			03/19/21 13:45	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL13
Lab Sample ID: 880-393-13
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 16:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/18/21 08:55*	*03/18/21 16:43*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 15:31	1
Total TPH	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 15:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 15:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:31*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		4.99		mg/Kg			03/19/21 13:50	1

Client Sample ID: FL14
Lab Sample ID: 880-393-14
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/18/21 08:55	03/18/21 17:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:03*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:52	1
Total TPH	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:52	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL14
Lab Sample ID: 880-393-14
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:52	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:52*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/21/21 10:35*	*03/22/21 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		5.00		mg/Kg			03/19/21 14:06	1

Client Sample ID: FL15
Lab Sample ID: 880-393-15
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/18/21 08:55	03/18/21 17:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:24*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 16:13	1
Total TPH	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 16:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 16:13	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:13*	*1*
o-Terphenyl	*96*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.8**		5.00		mg/Kg			03/19/21 14:11	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL16
Lab Sample ID: 880-393-16
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 17:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/18/21 08:55*	*03/18/21 17:44*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 16:34	1
Total TPH	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 16:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 16:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**		5.00		mg/Kg			03/19/21 14:16	1

Client Sample ID: FL17
Lab Sample ID: 880-393-17
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 18:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:05*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 16:55	1
Total TPH	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 16:55	1

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Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL17

Lab Sample ID: 880-393-17
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 16:55	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:55*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/21/21 10:35*	*03/22/21 16:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		5.04		mg/Kg			03/19/21 14:21	1

Client Sample ID: FL18

Lab Sample ID: 880-393-18
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/21 08:55	03/18/21 18:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/21 08:55	03/18/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:25*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/21/21 10:35	03/22/21 17:16	1
Total TPH	<49.7	U	49.7		mg/Kg		03/21/21 10:35	03/22/21 17:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/21/21 10:35	03/22/21 17:16	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/21/21 10:35	03/22/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/21/21 10:35*	*03/22/21 17:16*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/21/21 10:35*	*03/22/21 17:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.2**		4.95		mg/Kg			03/19/21 14:26	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL19
Lab Sample ID: 880-393-19
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/18/21 08:55	03/18/21 18:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:46*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/18/21 08:55*	*03/18/21 18:46*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 17:58	1
Total TPH	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 17:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/21/21 10:35*	*03/22/21 17:58*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/21/21 10:35*	*03/22/21 17:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.1**		4.95		mg/Kg			03/19/21 14:32	1

Client Sample ID: FL20
Lab Sample ID: 880-393-20
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/18/21 08:55	03/18/21 19:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/18/21 08:55*	*03/18/21 19:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/18/21 08:55*	*03/18/21 19:47*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 18:19	1
Total TPH	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 18:19	1

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Client Sample Results

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL20 Lab Sample ID: 880-393-20

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 18:19	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/21/21 10:35	03/22/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/21/21 10:35*	*03/22/21 18:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/21/21 10:35*	*03/22/21 18:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.0**		5.04		mg/Kg			03/19/21 14:47	1

Client Sample ID: FL21 Lab Sample ID: 880-393-21

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/18/21 08:55	03/18/21 20:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 08:55	03/18/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:07*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:07*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 18:40	1
Total TPH	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 18:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 18:40	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/21/21 10:35*	*03/22/21 18:40*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/21/21 10:35*	*03/22/21 18:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.6**		5.05		mg/Kg			03/19/21 14:52	1

Client Sample Results

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL22
Lab Sample ID: 880-393-22
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/18/21 08:55	03/18/21 20:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/18/21 08:55	03/18/21 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:27*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:27*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:02	1
Total TPH	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:02*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			03/19/21 15:08	1

Client Sample ID: FL23
Lab Sample ID: 880-393-23
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/18/21 08:55	03/18/21 20:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/18/21 08:55*	*03/18/21 20:48*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 19:23	1
Total TPH	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 19:23	1

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Client Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL23

Lab Sample ID: 880-393-23
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 19:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/21 10:35	03/22/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:23*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		4.99		mg/Kg			03/19/21 15:13	1

Client Sample ID: FL24

Lab Sample ID: 880-393-24
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/18/21 08:55	03/18/21 21:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/21 08:55	03/18/21 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/18/21 08:55*	*03/18/21 21:08*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/18/21 08:55*	*03/18/21 21:08*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:44	1
Total TPH	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:44	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/21 10:35	03/22/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:44*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/21/21 10:35*	*03/22/21 19:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		4.98		mg/Kg			03/19/21 15:18	1

Surrogate Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-392-A-1-B MS	Matrix Spike	105	102
880-392-A-1-C MSD	Matrix Spike Duplicate	104	101
880-393-1	FL1	110	97
880-393-2	FL2	107	100
880-393-3	FL3	108	95
880-393-4	FL4	109	99
880-393-5	FL5	99	92
880-393-6	FL6	91	95
880-393-7	FL7	108	102
880-393-8	FL8	113	102
880-393-9	FL9	110	102
880-393-10	FL10	94	91
880-393-11	FL11	100	89
880-393-11 MS	FL11	105	102
880-393-11 MSD	FL11	110	104
880-393-12	FL12	99	95
880-393-13	FL13	97	93
880-393-14	FL14	99	94
880-393-15	FL15	96	96
880-393-16	FL16	95	93
880-393-17	FL17	95	93
880-393-18	FL18	101	95
880-393-19	FL19	96	93
880-393-20	FL20	101	93
880-393-21	FL21	97	94
880-393-22	FL22	100	94
880-393-23	FL23	101	94
880-393-24	FL24	98	91
LCS 880-508/1-B	Lab Control Sample	99	98
LCS 880-551/1-A	Lab Control Sample	101	100
LCS 880-578/1-A	Lab Control Sample	97	101
LCSD 880-508/2-B	Lab Control Sample Dup	100	100
LCSD 880-551/2-A	Lab Control Sample Dup	99	99
LCSD 880-578/2-A	Lab Control Sample Dup	110	103
MB 880-508/5-B	Method Blank	100	95
MB 880-551/5-A	Method Blank	83	85
MB 880-578/5-A	Method Blank	81	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-393-1	FL1	106	97
880-393-1 MS	FL1	100	81

Surrogate Summary

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-393-1 MSD	FL1	101	82								
880-393-2	FL2	105	96								
880-393-3	FL3	103	93								
880-393-4	FL4	100	86								
880-393-5	FL5	95	81								
880-393-6	FL6	104	95								
880-393-7	FL7	79	72								
880-393-8	FL8	96	84								
880-393-9	FL9	102	94								
880-393-9 MS	FL9	115	100								
880-393-9 MSD	FL9	56 S1-	48 S1-								
880-393-10	FL10	105	95								
880-393-11	FL11	99	92								
880-393-12	FL12	98	89								
880-393-13	FL13	99	89								
880-393-14	FL14	101	94								
880-393-15	FL15	101	96								
880-393-16	FL16	104	104								
880-393-17	FL17	110	105								
880-393-18	FL18	104	100								
880-393-19	FL19	99	95								
880-393-20	FL20	98	90								
880-393-21	FL21	95	88								
880-393-22	FL22	96	89								
880-393-23	FL23	103	100								
880-393-24	FL24	101	97								
890-372-A-1-F MS	Matrix Spike	93	83								
890-372-A-1-G MSD	Matrix Spike Duplicate	92	82								
LCS 880-576/2-A	Lab Control Sample	130	115								
LCS 880-643/2-A	Lab Control Sample	113	102								
LCS 880-798/2-A	Lab Control Sample	92	80								
LCSD 880-576/3-A	Lab Control Sample Dup	136 S1+	122								
LCSD 880-643/3-A	Lab Control Sample Dup	107	97								
LCSD 880-798/3-A	Lab Control Sample Dup	111	100								
MB 880-576/1-A	Method Blank	106	104								
MB 880-643/1-A	Method Blank	110	109								
MB 880-798/1-A	Method Blank	102	103								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-508/5-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/21 15:47	03/18/21 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/21 15:47	03/18/21 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/16/21 15:47*	*03/18/21 12:22*	*1*

Lab Sample ID: LCS 880-508/1-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08775		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09672		mg/Kg		97	70 - 130		
Toluene			0.100	0.09571		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1988		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.09865		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-508/2-B
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 508

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09498		mg/Kg		95	70 - 130	8	35
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130	7	35
Toluene			0.100	0.1015		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2126		mg/Kg		106	70 - 130	7	35
o-Xylene			0.100	0.1053		mg/Kg		105	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-392-A-1-B MS
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F2 F1	0.0990	<0.00198	U F1	mg/Kg		0.5	70 - 130		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-392-A-1-B MS
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U F1	0.0990	<0.00198	U F1	mg/Kg		0.9	70 - 130
Toluene	<0.00198	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.198	<0.00396	U F1	mg/Kg		0.9	70 - 130
o-Xylene	<0.00198	U F1	0.0990	0.002207	F1	mg/Kg		2	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-392-A-1-C MSD
Matrix: Solid
Analysis Batch: 528

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F2 F1	0.101	0.005937	F2 F1	mg/Kg		6	70 - 130	167	35
Ethylbenzene	<0.00198	U F1	0.101	<0.00201	U F1	mg/Kg		1	70 - 130	23	35
Toluene	<0.00198	U F1	0.101	0.002464	F1	mg/Kg		2	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.201	<0.00402	U F2 F1	mg/Kg		2	70 - 130	67	35
o-Xylene	<0.00198	U F1	0.101	0.002111	F1	mg/Kg		2	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-551/5-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/18/21 08:55	03/18/21 15:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 08:55	03/18/21 15:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:20*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/18/21 08:55*	*03/18/21 15:20*	*1*

Lab Sample ID: LCS 880-551/1-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.08106		mg/Kg		81	70 - 130
Ethylbenzene			0.100	0.08817		mg/Kg		88	70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-551/1-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene			0.100	0.08207		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene			0.200	0.1778		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.09781		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-551/2-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 551

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08275		mg/Kg		83	70 - 130	2	35
Ethylbenzene			0.100	0.08866		mg/Kg		89	70 - 130	1	35
Toluene			0.100	0.08390		mg/Kg		84	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1775		mg/Kg		89	70 - 130	0	35
o-Xylene			0.100	0.09847		mg/Kg		98	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-393-11 MS
Matrix: Solid
Analysis Batch: 559

Client Sample ID: FL11
Prep Type: Total/NA
Prep Batch: 551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00201	U	0.100	0.08396		mg/Kg		84	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.08706		mg/Kg		87	70 - 130		
Toluene	<0.00201	U	0.100	0.08324		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1746		mg/Kg		87	70 - 130		
o-Xylene	<0.00201	U	0.100	0.09761		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-393-11 MSD
Matrix: Solid
Analysis Batch: 559

Client Sample ID: FL11
Prep Type: Total/NA
Prep Batch: 551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08216		mg/Kg		82	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.101	0.08582		mg/Kg		85	70 - 130	1	35
Toluene	<0.00201	U	0.101	0.08228		mg/Kg		82	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1717		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00201	U	0.101	0.09595		mg/Kg		95	70 - 130	2	35

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-578/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 559 — **Prep Batch: 578**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	03/18/21 17:24	03/19/21 01:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/18/21 17:24	03/19/21 01:51	1

Lab Sample ID: LCS 880-578/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 559 — **Prep Batch: 578**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09941		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09500		mg/Kg		95	70 - 130		
Toluene			0.100	0.09514		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.1904		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-578/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 559 — **Prep Batch: 578**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1044		mg/Kg		104	70 - 130	5	35
Ethylbenzene			0.100	0.1067		mg/Kg		107	70 - 130	12	35
Toluene			0.100	0.1028		mg/Kg		103	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2170		mg/Kg		109	70 - 130	13	35
o-Xylene			0.100	0.1202		mg/Kg		120	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-576/1-A
Matrix: Solid
Analysis Batch: 617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 16:14	1
Total TPH	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 16:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/21 17:00	03/19/21 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/18/21 17:00*	*03/19/21 16:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/18/21 17:00*	*03/19/21 16:14*	*1*

Lab Sample ID: LCS 880-576/2-A
Matrix: Solid
Analysis Batch: 617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1233		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1089		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: LCSD 880-576/3-A
Matrix: Solid
Analysis Batch: 617

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 576

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1315	*+	mg/Kg		131	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1164		mg/Kg		116	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*136*	*S1+*	*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 880-393-1 MS
Matrix: Solid
Analysis Batch: 617

Client Sample ID: FL1
Prep Type: Total/NA
Prep Batch: 576

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	998	1000		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	841.6		mg/Kg		82	70 - 130		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-393-1 MS
Matrix: Solid
Analysis Batch: 617

Client Sample ID: FL1
Prep Type: Total/NA
Prep Batch: 576

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-393-1 MSD
Matrix: Solid
Analysis Batch: 617

Client Sample ID: FL1
Prep Type: Total/NA
Prep Batch: 576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	1000	1070		mg/Kg		104	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	874.1		mg/Kg		85	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: MB 880-643/1-A
Matrix: Solid
Analysis Batch: 673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 12:24	1
Total TPH	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 12:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/21 10:35	03/22/21 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/21/21 10:35	03/22/21 12:24	1
o-Terphenyl	109		70 - 130	03/21/21 10:35	03/22/21 12:24	1

Lab Sample ID: LCS 880-643/2-A
Matrix: Solid
Analysis Batch: 673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1200		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-643/3-A
Matrix: Solid
Analysis Batch: 673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 643

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1143		mg/Kg		114	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	962.4		mg/Kg		96	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-393-9 MS
Matrix: Solid
Analysis Batch: 673

Client Sample ID: FL9
Prep Type: Total/NA
Prep Batch: 643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	1289		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1012		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-393-9 MSD
Matrix: Solid
Analysis Batch: 673

Client Sample ID: FL9
Prep Type: Total/NA
Prep Batch: 643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	2000	1115	F1	mg/Kg		56	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	2000	1002	F1	mg/Kg		49	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*56*	*S1-*	*70 - 130*
o-Terphenyl	*48*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-798/1-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 798

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/21 09:20	03/24/21 21:09	1
Total TPH	<50.0	U	50.0		mg/Kg		03/24/21 09:20	03/24/21 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/21 09:20	03/24/21 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/21 09:20	03/24/21 21:09	1

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-798/1-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 798

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/24/21 09:20	03/24/21 21:09	1
o-Terphenyl	103		70 - 130	03/24/21 09:20	03/24/21 21:09	1

Lab Sample ID: LCS 880-798/2-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1140		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	974.5		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: LCSD 880-798/3-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 798

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1444	*+ *1	mg/Kg		144	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	1000	1117		mg/Kg		112	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-372-A-1-F MS
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	1000	1141		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	921.9		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-372-A-1-G MSD
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	998	1047		mg/Kg		105	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	923.6		mg/Kg		93	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-582/3-A
Matrix: Solid
Analysis Batch: 585

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-392-A-4-F MS
Matrix: Solid
Analysis Batch: 585

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	43.7	F1	248	331.8	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-392-A-4-G MSD
Matrix: Solid
Analysis Batch: 585

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	43.7	F1	248	332.2	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: MB 880-599/1-A
Matrix: Solid
Analysis Batch: 600

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/19/21 13:03	1

Lab Sample ID: LCS 880-599/2-A
Matrix: Solid
Analysis Batch: 600

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	242.1		mg/Kg		97	90 - 110		

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-599/3-A
Matrix: Solid
Analysis Batch: 600

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	253.3		mg/Kg		101	90 - 110	5	20

Lab Sample ID: 880-393-9 MS
Matrix: Solid
Analysis Batch: 600

Client Sample ID: FL9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	28.1		248	290.3		mg/Kg		106	90 - 110

Lab Sample ID: 880-393-9 MSD
Matrix: Solid
Analysis Batch: 600

Client Sample ID: FL9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	28.1		248	298.4		mg/Kg		109	90 - 110	3	20

Lab Sample ID: 880-393-19 MS
Matrix: Solid
Analysis Batch: 600

Client Sample ID: FL19
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	28.1		248	283.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-393-19 MSD
Matrix: Solid
Analysis Batch: 600

Client Sample ID: FL19
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	28.1		248	289.0		mg/Kg		105	90 - 110	2	20

QC Association Summary

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

GC VOA

Prep Batch: 508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Total/NA	Solid	5035	
880-393-2	FL2	Total/NA	Solid	5035	
880-393-3	FL3	Total/NA	Solid	5035	
880-393-4	FL4	Total/NA	Solid	5035	
880-393-7	FL7	Total/NA	Solid	5035	
880-393-8	FL8	Total/NA	Solid	5035	
880-393-9	FL9	Total/NA	Solid	5035	
MB 880-508/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-508/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-508/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-392-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-392-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Total/NA	Solid	8021B	508
880-393-2	FL2	Total/NA	Solid	8021B	508
880-393-3	FL3	Total/NA	Solid	8021B	508
880-393-4	FL4	Total/NA	Solid	8021B	508
880-393-7	FL7	Total/NA	Solid	8021B	508
880-393-8	FL8	Total/NA	Solid	8021B	508
880-393-9	FL9	Total/NA	Solid	8021B	508
MB 880-508/5-B	Method Blank	Total/NA	Solid	8021B	508
LCS 880-508/1-B	Lab Control Sample	Total/NA	Solid	8021B	508
LCSD 880-508/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	508
880-392-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	508
880-392-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	508

Prep Batch: 551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-10	FL10	Total/NA	Solid	5035	
880-393-11	FL11	Total/NA	Solid	5035	
880-393-12	FL12	Total/NA	Solid	5035	
880-393-13	FL13	Total/NA	Solid	5035	
880-393-14	FL14	Total/NA	Solid	5035	
880-393-15	FL15	Total/NA	Solid	5035	
880-393-16	FL16	Total/NA	Solid	5035	
880-393-17	FL17	Total/NA	Solid	5035	
880-393-18	FL18	Total/NA	Solid	5035	
880-393-19	FL19	Total/NA	Solid	5035	
880-393-20	FL20	Total/NA	Solid	5035	
880-393-21	FL21	Total/NA	Solid	5035	
880-393-22	FL22	Total/NA	Solid	5035	
880-393-23	FL23	Total/NA	Solid	5035	
880-393-24	FL24	Total/NA	Solid	5035	
MB 880-551/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-551/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-551/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-393-11 MS	FL11	Total/NA	Solid	5035	
880-393-11 MSD	FL11	Total/NA	Solid	5035	

QC Association Summary

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

GC VOA

Analysis Batch: 559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-5	FL5	Total/NA	Solid	8021B	578
880-393-6	FL6	Total/NA	Solid	8021B	578
880-393-10	FL10	Total/NA	Solid	8021B	551
880-393-11	FL11	Total/NA	Solid	8021B	551
880-393-12	FL12	Total/NA	Solid	8021B	551
880-393-13	FL13	Total/NA	Solid	8021B	551
880-393-14	FL14	Total/NA	Solid	8021B	551
880-393-15	FL15	Total/NA	Solid	8021B	551
880-393-16	FL16	Total/NA	Solid	8021B	551
880-393-17	FL17	Total/NA	Solid	8021B	551
880-393-18	FL18	Total/NA	Solid	8021B	551
880-393-19	FL19	Total/NA	Solid	8021B	551
880-393-20	FL20	Total/NA	Solid	8021B	551
880-393-21	FL21	Total/NA	Solid	8021B	551
880-393-22	FL22	Total/NA	Solid	8021B	551
880-393-23	FL23	Total/NA	Solid	8021B	551
880-393-24	FL24	Total/NA	Solid	8021B	551
MB 880-551/5-A	Method Blank	Total/NA	Solid	8021B	551
MB 880-578/5-A	Method Blank	Total/NA	Solid	8021B	578
LCS 880-551/1-A	Lab Control Sample	Total/NA	Solid	8021B	551
LCS 880-578/1-A	Lab Control Sample	Total/NA	Solid	8021B	578
LCSD 880-551/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	551
LCSD 880-578/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	578
880-393-11 MS	FL11	Total/NA	Solid	8021B	551
880-393-11 MSD	FL11	Total/NA	Solid	8021B	551

Prep Batch: 578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-5	FL5	Total/NA	Solid	5035	
880-393-6	FL6	Total/NA	Solid	5035	
MB 880-578/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-578/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-578/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Total/NA	Solid	8015NM Prep	
880-393-2	FL2	Total/NA	Solid	8015NM Prep	
880-393-3	FL3	Total/NA	Solid	8015NM Prep	
880-393-4	FL4	Total/NA	Solid	8015NM Prep	
880-393-5	FL5	Total/NA	Solid	8015NM Prep	
880-393-6	FL6	Total/NA	Solid	8015NM Prep	
880-393-8	FL8	Total/NA	Solid	8015NM Prep	
MB 880-576/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-576/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-576/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-393-1 MS	FL1	Total/NA	Solid	8015NM Prep	
880-393-1 MSD	FL1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

GC Semi VOA

Analysis Batch: 617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Total/NA	Solid	8015B NM	576
880-393-2	FL2	Total/NA	Solid	8015B NM	576
880-393-3	FL3	Total/NA	Solid	8015B NM	576
880-393-4	FL4	Total/NA	Solid	8015B NM	576
880-393-5	FL5	Total/NA	Solid	8015B NM	576
880-393-6	FL6	Total/NA	Solid	8015B NM	576
880-393-8	FL8	Total/NA	Solid	8015B NM	576
MB 880-576/1-A	Method Blank	Total/NA	Solid	8015B NM	576
LCS 880-576/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	576
LCSD 880-576/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	576
880-393-1 MS	FL1	Total/NA	Solid	8015B NM	576
880-393-1 MSD	FL1	Total/NA	Solid	8015B NM	576

Prep Batch: 643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-9	FL9	Total/NA	Solid	8015NM Prep	
880-393-10	FL10	Total/NA	Solid	8015NM Prep	
880-393-11	FL11	Total/NA	Solid	8015NM Prep	
880-393-12	FL12	Total/NA	Solid	8015NM Prep	
880-393-13	FL13	Total/NA	Solid	8015NM Prep	
880-393-14	FL14	Total/NA	Solid	8015NM Prep	
880-393-15	FL15	Total/NA	Solid	8015NM Prep	
880-393-16	FL16	Total/NA	Solid	8015NM Prep	
880-393-17	FL17	Total/NA	Solid	8015NM Prep	
880-393-18	FL18	Total/NA	Solid	8015NM Prep	
880-393-19	FL19	Total/NA	Solid	8015NM Prep	
880-393-20	FL20	Total/NA	Solid	8015NM Prep	
880-393-21	FL21	Total/NA	Solid	8015NM Prep	
880-393-22	FL22	Total/NA	Solid	8015NM Prep	
880-393-23	FL23	Total/NA	Solid	8015NM Prep	
880-393-24	FL24	Total/NA	Solid	8015NM Prep	
MB 880-643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-393-9 MS	FL9	Total/NA	Solid	8015NM Prep	
880-393-9 MSD	FL9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-9	FL9	Total/NA	Solid	8015B NM	643
880-393-10	FL10	Total/NA	Solid	8015B NM	643
880-393-11	FL11	Total/NA	Solid	8015B NM	643
880-393-12	FL12	Total/NA	Solid	8015B NM	643
880-393-13	FL13	Total/NA	Solid	8015B NM	643
880-393-14	FL14	Total/NA	Solid	8015B NM	643
880-393-15	FL15	Total/NA	Solid	8015B NM	643
880-393-16	FL16	Total/NA	Solid	8015B NM	643
880-393-17	FL17	Total/NA	Solid	8015B NM	643
880-393-18	FL18	Total/NA	Solid	8015B NM	643
880-393-19	FL19	Total/NA	Solid	8015B NM	643
880-393-20	FL20	Total/NA	Solid	8015B NM	643

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

GC Semi VOA (Continued)

Analysis Batch: 673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-21	FL21	Total/NA	Solid	8015B NM	643
880-393-22	FL22	Total/NA	Solid	8015B NM	643
880-393-23	FL23	Total/NA	Solid	8015B NM	643
880-393-24	FL24	Total/NA	Solid	8015B NM	643
MB 880-643/1-A	Method Blank	Total/NA	Solid	8015B NM	643
LCS 880-643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	643
LCSD 880-643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	643
880-393-9 MS	FL9	Total/NA	Solid	8015B NM	643
880-393-9 MSD	FL9	Total/NA	Solid	8015B NM	643

Analysis Batch: 792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-7	FL7	Total/NA	Solid	8015B NM	798
MB 880-798/1-A	Method Blank	Total/NA	Solid	8015B NM	798
LCS 880-798/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	798
LCSD 880-798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	798
890-372-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	798
890-372-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	798

Prep Batch: 798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-7	FL7	Total/NA	Solid	8015NM Prep	
MB 880-798/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-798/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-372-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-372-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Soluble	Solid	DI Leach	
880-393-2	FL2	Soluble	Solid	DI Leach	
880-393-3	FL3	Soluble	Solid	DI Leach	
880-393-4	FL4	Soluble	Solid	DI Leach	
880-393-5	FL5	Soluble	Solid	DI Leach	
880-393-6	FL6	Soluble	Solid	DI Leach	
880-393-7	FL7	Soluble	Solid	DI Leach	
880-393-8	FL8	Soluble	Solid	DI Leach	
LCSD 880-582/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-392-A-4-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-392-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-1	FL1	Soluble	Solid	300.0	582
880-393-2	FL2	Soluble	Solid	300.0	582
880-393-3	FL3	Soluble	Solid	300.0	582
880-393-4	FL4	Soluble	Solid	300.0	582
880-393-5	FL5	Soluble	Solid	300.0	582

QC Association Summary

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

HPLC/IC (Continued)

Analysis Batch: 585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-6	FL6	Soluble	Solid	300.0	582
880-393-7	FL7	Soluble	Solid	300.0	582
880-393-8	FL8	Soluble	Solid	300.0	582
LCSD 880-582/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	582
880-392-A-4-F MS	Matrix Spike	Soluble	Solid	300.0	582
880-392-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	582

Leach Batch: 599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-9	FL9	Soluble	Solid	DI Leach	
880-393-10	FL10	Soluble	Solid	DI Leach	
880-393-11	FL11	Soluble	Solid	DI Leach	
880-393-12	FL12	Soluble	Solid	DI Leach	
880-393-13	FL13	Soluble	Solid	DI Leach	
880-393-14	FL14	Soluble	Solid	DI Leach	
880-393-15	FL15	Soluble	Solid	DI Leach	
880-393-16	FL16	Soluble	Solid	DI Leach	
880-393-17	FL17	Soluble	Solid	DI Leach	
880-393-18	FL18	Soluble	Solid	DI Leach	
880-393-19	FL19	Soluble	Solid	DI Leach	
880-393-20	FL20	Soluble	Solid	DI Leach	
880-393-21	FL21	Soluble	Solid	DI Leach	
880-393-22	FL22	Soluble	Solid	DI Leach	
880-393-23	FL23	Soluble	Solid	DI Leach	
880-393-24	FL24	Soluble	Solid	DI Leach	
MB 880-599/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-599/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-599/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-393-9 MS	FL9	Soluble	Solid	DI Leach	
880-393-9 MSD	FL9	Soluble	Solid	DI Leach	
880-393-19 MS	FL19	Soluble	Solid	DI Leach	
880-393-19 MSD	FL19	Soluble	Solid	DI Leach	

Analysis Batch: 600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-393-9	FL9	Soluble	Solid	300.0	599
880-393-10	FL10	Soluble	Solid	300.0	599
880-393-11	FL11	Soluble	Solid	300.0	599
880-393-12	FL12	Soluble	Solid	300.0	599
880-393-13	FL13	Soluble	Solid	300.0	599
880-393-14	FL14	Soluble	Solid	300.0	599
880-393-15	FL15	Soluble	Solid	300.0	599
880-393-16	FL16	Soluble	Solid	300.0	599
880-393-17	FL17	Soluble	Solid	300.0	599
880-393-18	FL18	Soluble	Solid	300.0	599
880-393-19	FL19	Soluble	Solid	300.0	599
880-393-20	FL20	Soluble	Solid	300.0	599
880-393-21	FL21	Soluble	Solid	300.0	599
880-393-22	FL22	Soluble	Solid	300.0	599
880-393-23	FL23	Soluble	Solid	300.0	599
880-393-24	FL24	Soluble	Solid	300.0	599

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

HPLC/IC (Continued)

Analysis Batch: 600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-599/1-A	Method Blank	Soluble	Solid	300.0	599
LCS 880-599/2-A	Lab Control Sample	Soluble	Solid	300.0	599
LCSD 880-599/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	599
880-393-9 MS	FL9	Soluble	Solid	300.0	599
880-393-9 MSD	FL9	Soluble	Solid	300.0	599
880-393-19 MS	FL19	Soluble	Solid	300.0	599
880-393-19 MSD	FL19	Soluble	Solid	300.0	599

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL1

Lab Sample ID: 880-393-1
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 16:57	MR	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 17:17	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:20	CH	XM

Client Sample ID: FL2

Lab Sample ID: 880-393-2
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 17:17	MR	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 18:21	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:35	CH	XM

Client Sample ID: FL3

Lab Sample ID: 880-393-3
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 17:38	MR	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 18:42	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:40	CH	XM

Client Sample ID: FL4

Lab Sample ID: 880-393-4
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 17:58	MR	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 19:04	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:45	CH	XM

Lab Chronicle

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL5 Lab Sample ID: 880-393-5

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 03:34	PXS	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 19:25	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:50	CH	XM

Client Sample ID: FL6 Lab Sample ID: 880-393-6

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 03:54	PXS	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 19:46	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/18/21 23:55	CH	XM

Client Sample ID: FL7 Lab Sample ID: 880-393-7

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 18:59	MR	XM
Total/NA	Prep	8015NM Prep			798	03/24/21 09:20	DM	XM
Total/NA	Analysis	8015B NM		1	792	03/25/21 02:49	AJ	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/19/21 00:00	CH	XM

Client Sample ID: FL8 Lab Sample ID: 880-393-8

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 19:20	MR	XM
Total/NA	Prep	8015NM Prep			576	03/18/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	617	03/19/21 20:28	AM	XM
Soluble	Leach	DI Leach			582	03/18/21 03:00	SC	XM
Soluble	Analysis	300.0		1	585	03/19/21 00:05	CH	XM

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL9

Lab Sample ID: 880-393-9
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			508	03/16/21 15:47	MR	XM
Total/NA	Analysis	8021B		1	528	03/18/21 19:40	MR	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 13:26	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 13:19	CH	XM

Client Sample ID: FL10

Lab Sample ID: 880-393-10
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 16:02	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 14:29	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 13:35	CH	XM

Client Sample ID: FL11

Lab Sample ID: 880-393-11
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 15:42	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 14:49	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 13:40	CH	XM

Client Sample ID: FL12

Lab Sample ID: 880-393-12
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 16:23	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 15:10	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 13:45	CH	XM

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL13

Lab Sample ID: 880-393-13
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 16:43	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 15:31	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 13:50	CH	XM

Client Sample ID: FL14

Lab Sample ID: 880-393-14
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 17:03	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 15:52	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:06	CH	XM

Client Sample ID: FL15

Lab Sample ID: 880-393-15
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 17:24	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 16:13	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:11	CH	XM

Client Sample ID: FL16

Lab Sample ID: 880-393-16
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 17:44	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 16:34	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:16	CH	XM

Lab Chronicle

Client: Hungry Horse LLC Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Client Sample ID: FL17 Lab Sample ID: 880-393-17

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 18:05	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 16:55	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:21	CH	XM

Client Sample ID: FL18 Lab Sample ID: 880-393-18

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 18:25	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 17:16	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:26	CH	XM

Client Sample ID: FL19 Lab Sample ID: 880-393-19

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 18:46	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 17:58	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:32	CH	XM

Client Sample ID: FL20 Lab Sample ID: 880-393-20

Date Collected: 03/10/21 00:00 **Matrix: Solid**
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 19:47	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 18:19	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:47	CH	XM

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Client Sample ID: FL21

Lab Sample ID: 880-393-21
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 20:07	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 18:40	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 14:52	CH	XM

Client Sample ID: FL22

Lab Sample ID: 880-393-22
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 20:27	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 19:02	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 15:08	CH	XM

Client Sample ID: FL23

Lab Sample ID: 880-393-23
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 20:48	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 19:23	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 15:13	CH	XM

Client Sample ID: FL24

Lab Sample ID: 880-393-24
Matrix: Solid
Date Collected: 03/10/21 00:00
Date Received: 03/15/21 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			551	03/18/21 08:55	MR	XM
Total/NA	Analysis	8021B		1	559	03/18/21 21:08	PXS	XM
Total/NA	Prep	8015NM Prep			643	03/21/21 10:35	AJ	XM
Total/NA	Analysis	8015B NM		1	673	03/22/21 19:44	AM	XM
Soluble	Leach	DI Leach			599	03/19/21 11:01	CH	XM
Soluble	Analysis	300.0		1	600	03/19/21 15:18	CH	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Hungry Horse LLC
Job ID: 880-393-1
Project/Site: Bonanza Closure Samples

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Hungry Horse LLC
Project/Site: Bonanza Closure Samples

Job ID: 880-393-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-393-1	FL1	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-2	FL2	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-3	FL3	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-4	FL4	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-5	FL5	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-6	FL6	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-7	FL7	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-8	FL8	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-9	FL9	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-10	FL10	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-11	FL11	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-12	FL12	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-13	FL13	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-14	FL14	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-15	FL15	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-16	FL16	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-17	FL17	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-18	FL18	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-19	FL19	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-20	FL20	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-21	FL21	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-22	FL22	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-23	FL23	Solid	03/10/21 00:00	03/15/21 11:47	
880-393-24	FL24	Solid	03/10/21 00:00	03/15/21 11:47	

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta GA (770) 449-8800

880-393 Chain of Custody

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Project Manager	Lindsey Nevels	Bill to (if different)	
Company Name	Hungry Horse LLC	Company Name	
Address		Address	
City State ZIP	Hobbs, NM	City State ZIP	
Phone		Email	pm@hungry-horse.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project.
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Bonanza Closure Samples	Turn Around	
Project Number		☑ Routine ☐ Rush	
Project Location	Tamoroa	Due Date	
Sampler's Name	Bradley Wells	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX	TPH	Sample Comments
FL1		3/10/2021		6"							
FL2		3/10/2021		6"							
FL3		3/10/2021		6"							
FL4		3/10/2021		6"							
FL5		3/10/2021		6"							
FL6		3/10/2021		6"							
FL7		3/10/2021		6"							
FL8		3/10/2021		6"							
FL9		3/10/2021		6"							
FL10		3/10/2021		6"							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg 1631 / 245.1 / 7470 / 7471**

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

0.7 / 1.2

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			3-12-21 2 00	2		3/15/21 9:30
3				4		
5				6		

Revised Date 05012020 Rev 2020 1

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta GA (770) 449-8800

Work Order Nc Loc. 880 393

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Project Manager	Lindsey Nevels	Bill to. (if different)	
Company Name	Hungry Horse LLC	Company Name	
Address		Address	
City State ZIP	Hobbs, NM	City State ZIP	
Phone		Email	pm@hungry-horse.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Bonanza Closure Samples	Turn Around			
Project Number		☑ Routine ☐ Rush			
Project Location	Tamora	Due Date			
Sampler's Name	Bradley Wells	TAT starts the day received by the lab if received by 4 30pm			
PO #					

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact.	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX	TPH
FL11		3/10/2021		6'				X	X	X
FL12		3/10/2021		6'				X	X	X
FL13		3/10/2021		6"				X	X	X
FL14		3/10/2021		6"				X	X	X
FL15		3/10/2021		6"				X	X	X
FL16		3/10/2021		6"				X	X	X
FL17		3/10/2021		6"				X	X	X
FL18		3/10/2021		6"				X	X	X
FL19		3/10/2021		6"				X	X	X
FL20		3/10/2021		6"				X	X	X

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **Hg 1631 / 245.1 / 7470 / 7471**

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

0.7

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		Ezra Cuill	3-12-21 2:00	2 Ezra Cuill		3/15/21 9:3
3				4		
5				6		

Revised Date 05012020 Rev 2020 1

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order: Loc: 880 393

www xenco com Page _____ of _____

Project Manager	Lindsey Nevels	Bill to (if different)	
Company Name.	Hungry Horse LLC	Company Name	
Address		Address.	
City State ZIP	Hobbs, NM	City State ZIP	
Phone	Email	pm@hungry-horse com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Bonanza Closure Samples	Turn Around	
Project Number		☑ Routine ☐ Rush	
Project Location	Tamaroa	Due Date	
Sampler's Name	Bradley Wells	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice	Yes No
Received Intact.	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

ANALYSIS REQUEST

Pres. Code / Parameters: Chloride; BTEX; TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
FL21		3/10/2021		6'		
FL22		3/10/2021		6"		
FL23		3/10/2021		6"		
FL24		3/10/2021		6" 1'		

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg **1631 / 245.1 / 7470 / 7471**

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0.7 / 1.2

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
	Ryan Cauthen	3-12-21 2 00	2 Ryan Cauthen		3/15/21 9 30
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Hungry Horse LLC Job Number: 880-393-1

Login Number: 393 **List Source: Eurofins Midland**
List Number: 1
Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-414-1
Client Project/Site: Tamora

For:
Hungry Horse LLC
PO Box 1058
Hobbs, New Mexico 88241

Attn: Lindsey Nevels

Holly Taylor

Authorized for release by:
3/29/2021 4:03:47 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Hungry Horse LLC
Project/Site: Tamora

Laboratory Job ID: 880-414-1

Table of Contents

Eurofins Xenco, Midland
3/29/2021

Definitions/Glossary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Job ID: 880-414-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-414-1

Receipt
The samples were received on 3/16/2021 1:03 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: HZ1 (880-414-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Client Sample ID: HZ1 — Lab Sample ID: 880-414-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	36.1		4.98		mg/Kg	1		300.0	Soluble

Client Sample ID: HZ1 — Lab Sample ID: 880-414-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.00916		0.00198		mg/Kg	1		8021B	Total/NA
Total BTEX	0.0202		0.00198		mg/Kg	1		8021B	Total/NA
Xylenes, Total	0.0110		0.00397		mg/Kg	1		8021B	Total/NA
o-Xylene	0.0110		0.00198		mg/Kg	1		8021B	Total/NA
Chloride	42.8		5.04		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Client Sample ID: HZ1
Date Collected: 03/12/21 00:00
Date Received: 03/16/21 13:03

Lab Sample ID: 880-414-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/21/21 14:01	03/24/21 09:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/21/21 14:01	03/24/21 09:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/21/21 14:01*	*03/24/21 09:56*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/21/21 14:01*	*03/24/21 09:56*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 17:33	1
Total TPH	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*03/23/21 11:07*	*03/24/21 17:33*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*03/23/21 11:07*	*03/24/21 17:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.1**		4.98		mg/Kg			03/21/21 13:26	1

Client Sample ID: HZ1
Date Collected: 03/12/21 00:00
Date Received: 03/16/21 13:03

Lab Sample ID: 880-414-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
Ethylbenzene	**0.00916**		0.00198		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
Total BTEX	**0.0202**		0.00198		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
Xylenes, Total	**0.0110**		0.00397		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/21/21 14:01	03/24/21 10:17	1
o-Xylene	**0.0110**		0.00198		mg/Kg		03/21/21 14:01	03/24/21 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/21/21 14:01*	*03/29/21 13:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/21/21 14:01*	*03/29/21 13:15*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/23/21 11:07	03/24/21 17:54	1
Total TPH	<50.1	U	50.1		mg/Kg		03/23/21 11:07	03/24/21 17:54	1

Client Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Client Sample ID: HZ1
Date Collected: 03/12/21 00:00
Date Received: 03/16/21 13:03

Lab Sample ID: 880-414-2
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/23/21 11:07	03/24/21 17:54	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/21 11:07	03/24/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*03/23/21 11:07*	*03/24/21 17:54*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*03/23/21 11:07*	*03/24/21 17:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.8**		5.04		mg/Kg			03/21/21 13:42	1

Surrogate Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-414-1	HZ1	112	102
880-414-2	HZ1	112	109
880-456-A-1-D MS	Matrix Spike	110	103
880-456-A-1-E MSD	Matrix Spike Duplicate	110	4 S1-
890-374-A-14-C MS	Matrix Spike	122	107
LCS 880-647/1-A	Lab Control Sample	103	101
LCS 880-688/1-A	Lab Control Sample	102	100
LCS 880-977/3	Lab Control Sample	90	100
LCS 880-977/35	Lab Control Sample	97	101
LCSD 880-647/2-A	Lab Control Sample Dup	106	99
LCSD 880-688/2-A	Lab Control Sample Dup	104	100
LCSD 880-977/36	Lab Control Sample Dup	101	99
LCSD 880-977/4	Lab Control Sample Dup	98	100
MB 880-647/5-A	Method Blank	104	95
MB 880-657/5-A	Method Blank	104	96
MB 880-688/5-A	Method Blank	106	96
MB 880-977/41	Method Blank	105	100
MB 880-977/9	Method Blank	96	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
890-371-A-9-F MSD	Matrix Spike Duplicate		
890-374-A-14-C MSD	Matrix Spike Duplicate		
LCSD 880-657/2-A	Lab Control Sample Dup		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-414-1	HZ1	71	66 S1-
880-414-2	HZ1	71	64 S1-
890-399-A-1-C MS	Matrix Spike	91	81
890-399-A-1-D MSD	Matrix Spike Duplicate	86	76
LCS 880-749/2-A	Lab Control Sample	101	94
LCSD 880-749/3-A	Lab Control Sample Dup	90	81
MB 880-749/1-A	Method Blank	103	102

Surrogate Legend

Surrogate Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-647/5-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 647

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/21/21 11:57	03/23/21 21:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/21/21 11:57	03/23/21 21:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/21/21 11:57*	*03/23/21 21:39*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/21/21 11:57*	*03/23/21 21:39*	*1*

Lab Sample ID: LCS 880-647/1-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 647

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1078		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.1113		mg/Kg		111	70 - 130		
Toluene			0.100	0.1095		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.2271		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1123		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-647/2-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 647

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1046		mg/Kg		105	70 - 130	3	35
Ethylbenzene			0.100	0.1108		mg/Kg		111	70 - 130	0	35
Toluene			0.100	0.1085		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2274		mg/Kg		114	70 - 130	0	35
o-Xylene			0.100	0.1109		mg/Kg		111	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-456-A-1-D MS
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.101	<0.00202	U F1	mg/Kg		1	70 - 130		

Eurofins Xenco, Midland

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-456-A-1-D MS
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene	<0.00200	U F2 F1	0.101	<0.00202	U F1	mg/Kg		1	70 - 130		
Toluene	<0.00200	U F1	0.101	<0.00202	U F1	mg/Kg		1	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.202	<0.00403	U F1	mg/Kg		1	70 - 130		
o-Xylene	<0.00200	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-456-A-1-E MSD
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	<0.00201	U F1	mg/Kg		1	70 - 130	24	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.006278	F1 F2	mg/Kg		6	70 - 130	144	35
Toluene	<0.00200	U F1	0.100	<0.00201	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	<0.00402	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.100	0.006952	F1	mg/Kg		7	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*4*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-657/5-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/21/21 14:01	03/24/21 08:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/21/21 14:01	03/24/21 08:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/21/21 14:01*	*03/24/21 08:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/21/21 14:01*	*03/24/21 08:06*	*1*

Lab Sample ID: LCSD 880-657/2-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 657

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1020		mg/Kg					
Ethylbenzene			0.100	0.1075		mg/Kg					

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QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-657/2-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 657

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.1041		mg/Kg					
m-Xylene & p-Xylene			0.200	0.2194		mg/Kg					
o-Xylene			0.100	0.1088		mg/Kg					

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 890-371-A-9-F MSD
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.06879		mg/Kg					
Ethylbenzene	<0.00200	U	0.0990	0.07282		mg/Kg					
Toluene	<0.00200	U	0.0990	0.07117		mg/Kg					
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1518		mg/Kg					
o-Xylene	<0.00200	U	0.0990	0.07632		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: MB 880-688/5-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/21 11:15	03/23/21 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/22/21 11:15	03/23/21 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/22/21 11:15*	*03/23/21 10:39*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/22/21 11:15*	*03/23/21 10:39*	*1*

Lab Sample ID: LCS 880-688/1-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1084		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.1193		mg/Kg		119	70 - 130		
Toluene			0.100	0.1157		mg/Kg		116	70 - 130		

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QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-688/1-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m-Xylene & p-Xylene			0.200	0.2466		mg/Kg		123	70 - 130		
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-688/2-A
Matrix: Solid
Analysis Batch: 734

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1127		mg/Kg		113	70 - 130	4	35
Ethylbenzene			0.100	0.1217		mg/Kg		122	70 - 130	2	35
Toluene			0.100	0.1184		mg/Kg		118	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2508		mg/Kg		125	70 - 130	2	35
o-Xylene			0.100	0.1193		mg/Kg		119	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-374-A-14-C MS
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 911

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-374-A-14-C MSD
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 911

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: MB 880-977/41
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			03/29/21 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			03/29/21 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg			03/29/21 11:32	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/29/21 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			03/29/21 11:32	1

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-977/41
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			03/29/21 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			03/29/21 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/29/21 11:32*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/29/21 11:32*	*1*

Lab Sample ID: MB 880-977/9
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			03/29/21 00:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			03/29/21 00:41	1
Toluene	<0.00200	U	0.00200		mg/Kg			03/29/21 00:41	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/29/21 00:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			03/29/21 00:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			03/29/21 00:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			03/29/21 00:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/29/21 00:41*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*03/29/21 00:41*	*1*

Lab Sample ID: LCS 880-977/3
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 880-977/35
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-977/36
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-977/4
Matrix: Solid
Analysis Batch: 977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-749/1-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 749

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 11:31	1
Total TPH	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 11:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 11:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/21 11:07	03/24/21 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*03/23/21 11:07*	*03/24/21 11:31*	*1*
o-Terphenyl	*102*		*70 - 130*	*03/23/21 11:07*	*03/24/21 11:31*	*1*

Lab Sample ID: LCS 880-749/2-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 749

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1183		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1052		mg/Kg		105	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-749/3-A
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 749

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1107		mg/Kg		111	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	963.5		mg/Kg		96	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-399-A-1-C MS
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 749

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1031		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	900.4		mg/Kg		88	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 890-399-A-1-D MSD
Matrix: Solid
Analysis Batch: 792

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 749

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1103		mg/Kg		110	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	845.9		mg/Kg		83	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-623/1-A
Matrix: Solid
Analysis Batch: 651

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/21/21 13:11	1

Lab Sample ID: LCS 880-623/2-A
Matrix: Solid
Analysis Batch: 651

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	250.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-623/3-A
Matrix: Solid
Analysis Batch: 651

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	256.7		mg/Kg		103	90 - 110	2	20

QC Sample Results

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-414-1 MS
Matrix: Solid
Analysis Batch: 651

Client Sample ID: HZ1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36.1		249	300.1		mg/Kg		106	90 - 110

Lab Sample ID: 880-414-1 MSD
Matrix: Solid
Analysis Batch: 651

Client Sample ID: HZ1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	36.1		249	301.4		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

GC VOA

Prep Batch: 647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-456-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-456-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Total/NA	Solid	5035	
880-414-2	HZ1	Total/NA	Solid	5035	
MB 880-657/5-A	Method Blank	Total/NA	Solid	5035	
LCSD 880-657/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-371-A-9-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-688/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-688/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-688/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Total/NA	Solid	8021B	657
880-414-2	HZ1	Total/NA	Solid	8021B	657
MB 880-647/5-A	Method Blank	Total/NA	Solid	8021B	647
MB 880-657/5-A	Method Blank	Total/NA	Solid	8021B	657
MB 880-688/5-A	Method Blank	Total/NA	Solid	8021B	688
LCS 880-647/1-A	Lab Control Sample	Total/NA	Solid	8021B	647
LCS 880-688/1-A	Lab Control Sample	Total/NA	Solid	8021B	688
LCSD 880-647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	647
LCSD 880-657/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	657
LCSD 880-688/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	688
880-456-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	647
880-456-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	647
890-371-A-9-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	657

Prep Batch: 911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-374-A-14-C MS	Matrix Spike	Total/NA	Solid	5035	
890-374-A-14-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-2	HZ1	Total/NA	Solid	8021B	657
MB 880-977/41	Method Blank	Total/NA	Solid	8021B	
MB 880-977/9	Method Blank	Total/NA	Solid	8021B	
LCS 880-977/3	Lab Control Sample	Total/NA	Solid	8021B	
LCS 880-977/35	Lab Control Sample	Total/NA	Solid	8021B	
LCSD 880-977/36	Lab Control Sample Dup	Total/NA	Solid	8021B	
LCSD 880-977/4	Lab Control Sample Dup	Total/NA	Solid	8021B	
890-374-A-14-C MS	Matrix Spike	Total/NA	Solid	8021B	911

QC Association Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

GC VOA (Continued)

Analysis Batch: 977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-374-A-14-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	911

GC Semi VOA

Prep Batch: 749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Total/NA	Solid	8015NM Prep	
880-414-2	HZ1	Total/NA	Solid	8015NM Prep	
MB 880-749/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-749/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-399-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-399-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Total/NA	Solid	8015B NM	749
880-414-2	HZ1	Total/NA	Solid	8015B NM	749
MB 880-749/1-A	Method Blank	Total/NA	Solid	8015B NM	749
LCS 880-749/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	749
LCSD 880-749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	749
890-399-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	749
890-399-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	749

HPLC/IC

Leach Batch: 623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Soluble	Solid	DI Leach	
880-414-2	HZ1	Soluble	Solid	DI Leach	
MB 880-623/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-623/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-623/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-414-1 MS	HZ1	Soluble	Solid	DI Leach	
880-414-1 MSD	HZ1	Soluble	Solid	DI Leach	

Analysis Batch: 651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-414-1	HZ1	Soluble	Solid	300.0	623
880-414-2	HZ1	Soluble	Solid	300.0	623
MB 880-623/1-A	Method Blank	Soluble	Solid	300.0	623
LCS 880-623/2-A	Lab Control Sample	Soluble	Solid	300.0	623
LCSD 880-623/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	623
880-414-1 MS	HZ1	Soluble	Solid	300.0	623
880-414-1 MSD	HZ1	Soluble	Solid	300.0	623

Lab Chronicle

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Client Sample ID: HZ1
Date Collected: 03/12/21 00:00
Date Received: 03/16/21 13:03

Lab Sample ID: 880-414-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			657	03/21/21 14:01	MR	XM
Total/NA	Analysis	8021B		1	734	03/24/21 09:56	MR	XM
Total/NA	Prep	8015NM Prep			749	03/23/21 11:07	DM	XM
Total/NA	Analysis	8015B NM		1	792	03/24/21 17:33	AJ	XM
Soluble	Leach	DI Leach			623	03/19/21 17:13	CH	XM
Soluble	Analysis	300.0		1	651	03/21/21 13:26	WP	XM

Client Sample ID: HZ1
Date Collected: 03/12/21 00:00
Date Received: 03/16/21 13:03

Lab Sample ID: 880-414-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			657	03/21/21 14:01	MR	XM
Total/NA	Analysis	8021B		1	734	03/24/21 10:17	MR	XM
Total/NA	Prep	5035			657	03/21/21 14:01	MR	XM
Total/NA	Analysis	8021B		1	977	03/29/21 13:15	KL	XM
Total/NA	Prep	8015NM Prep			749	03/23/21 11:07	DM	XM
Total/NA	Analysis	8015B NM		1	792	03/24/21 17:54	AJ	XM
Soluble	Leach	DI Leach			623	03/19/21 17:13	CH	XM
Soluble	Analysis	300.0		1	651	03/21/21 13:42	WP	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Hungry Horse LLC
Project/Site: Tamora

Job ID: 880-414-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-414-1	HZ1	Solid	03/12/21 00:00	03/16/21 13:03	
880-414-2	HZ1	Solid	03/12/21 00:00	03/16/21 13:03	

Chain of Custody

Houston TX (281) 240-4200, Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad N
Tampa, FL (813) 620-2000 Tallahassee I
Atlanta

Work Order No: _____

880-414 Chain of Custody

www.xenco.com Page _____ of _____

Work Order Comments

PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

Project Manager	Lindsey Nevels	Bill to (if different)	
Company Name	Hungry Horse	Company Name	
Address.	po box 1054	Address.	
City State ZIP	Hobbs Nm	City, State ZIP	
Phone		Email	

State of Project.

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Tamoroa	Turn Around	
Project Number		☑ Routine ☐ Rush	
Project Location	Bonanza	Due Date	
Sampler's Name	Bradley Wells	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Received Intact.	(Yes) No	Thermometer ID	128	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	0.5	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.3	
Total Containers.		Corrected Temperature.	1.8	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	TPH	BTEX
HZ1	S	3/12/2021		Surf			x	x	x
HZ1	S	2/12/2021		1'			x	x	x

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg **1631 / 245.1 / 7470 / 7471**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	NR	4.14/3-15	2 NR	JRAMER	3/16/21
3			4		1303
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: Hungry Horse LLC Job Number: 880-414-1

Login Number: 414
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Attachment V
NMOCD Form C-141 Remediation and Closure Pages

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Phelps White_____ Title: Consultant

Signature: __ _____ Date: 4/6/2021

email: _____pwiv@zianet.com_____ Telephone: 575 626 7660

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Phelps White Title: Consultant

Signature: Date: 4/6/2021

email: pwiv@zianet.com Telephone: 575 626 7660

OCD Only

Received by: Date:

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Phelps White_____ Title: Consultant

Signature: _____ Date: 4/6/2021

email: _____pwiv@zianet.com_____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 421567

QUESTIONS

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2100636827**
Incident Name	**NAPP2100636827 BONANZA 2H @ 30-005-64336**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-005-64336] BONANZA #002H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BONANZA 2H
Date Release Discovered	12/31/2020
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Separator | Crude Oil | Released: 40 BBL | Recovered: 30 BBL | Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations | Separator | Produced Water | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Normal Operations | Separator | Condensate | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Equipment Failure | Separator | [OBSOLETE] Natural Gas (Methane) | Released: 0 MCF | Recovered: 0 MCF | Lost: 0 MCF.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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: William Bahlburg Title: Manager Email: geoff@tamaroadev.com Date: 01/16/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	2440
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10100
GRO+DRO (EPA SW-846 Method 8015M)	9270
BTEX (EPA SW-846 Method 8021B or 8260B)	60.8
Benzene (EPA SW-846 Method 8021B or 8260B)	1.8
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.	
On what estimated date will the remediation commence	01/27/2021
On what date will (or did) the final sampling or liner inspection occur	03/10/2021
On what date will (or was) the remediation complete(d)	03/10/2021
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4800
What is the estimated volume (in cubic yards) that will be remediated	133
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.	
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.	

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General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	GANDY CORP. TREATING PLANT [fEEM0112339568]
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.*
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 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: William Bahlburg Title: Manager Email: geoff@tamaroadev.com Date: 01/16/2025
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.	

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QUESTIONS (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**421770**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/10/2021**
What was the (estimated) number of samples that were to be gathered	**29**
What was the sampling surface area in square feet	**4800**

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	4800
What was the total volume (cubic yards) remediated	133
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	none

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: William Bahlburg Title: Manager Email: geoff@tamaroadev.com Date: 01/16/2025

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QUESTIONS (continued)

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 421567

CONDITIONS

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	Action Number: 421567
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	1/21/2025
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	1/21/2025