

Remediation Summary and Closure Request

Ridge Runner Resources Operating, LLC Ringer Federal #2 Eddy County, New Mexico Unit Letter "G", Section 4, Township 25 South, Range 26 East Latitude 32.161919 North, Longitude 104.296837 West NMOCD Incident # NRM2027443562

Prepared For:

Ridge Runner Resources Operating, LLC 4000 N Big Spring Ste 210 Midland, TX 79705

Prepared By:

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

January 2025

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

Background:

The site is located in Unit Letter G (SW/NE), Section 4, Township 25 South, Range 26 East, approximately five miles East of Whites City, in Eddy County, New Mexico. The property is located on private land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on a tank battery and well pad; Latitude 32.161919 North, Longitude 104.296837 West. The NMOCD Form C-141 indicated that on September 29, 2020 approximately 100 bbls of oil and 5 bbls of produced water were released to unlined containment due to a hole in the bottom of the tank. No fluid was recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Permitting Portal.

NMOCD Site Classification:

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

No water wells were located within a half mile of the release area. In addition, as the site is located in a Gypsum Karst designated area, the site will be remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

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

A United States Department of Agriculture (USDA) Web Soil Survey was completed to determine soil types in the area of remediation. Web Soil Survey indicates the area is located in the Reagan-Upton association comprised of loam soils with 0 to 3 percent slopes. As the affected area is located on a well pad, no re-seeding will be required. Karst, Wetland, and Soil Maps are provided as Attachment I.

Remediation Activities:

On July 9, 2024, a Site Assessment and Remediation Work Plan was submitted to NMOCD for approval. On July 25, 2024, the Work Plan was approved. Previously submitted pages of the approved Site Assessment and Remediation Work Plan are available on the NMOCD Permitting Portal.

From August 27 through September 19, 2024, the release area was excavated per the NMOCD approved work plan. The area characterized by sample location 12'N was excavated to an approximate depth of four feet bgs. The area characterized by sample location BG was excavated to an approximate depth of four and half feet bgs. The areas characterized by sample locations SP1 – SP4 were excavated to an approximate depth of ten feet bgs. Excavated contaminated soil was temporarily stockpiled onsite, within the excavated area, before transport to an NMOCD approved disposal facility.

The area characterized by sample locations SP1 – SP4 could not be fully excavated due the presence of process equipment and tank. Fencing around the bermed containment was opened to allow access for contaminated soil to be hydro-excavated from around process equipment. Hydro-excavated contaminated soil was transported to an NMOCD approved disposal facility. A backhoe was then utilized to complete excavation activities.

On September 20, 2024, Hungry Horse, LLC notified NMOCD that closure samples would be collected on September 24, 2024. NMOCD Correspondence is provided as Attachment II.

On September 24, 2024, twenty-eight composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL12 and SW1 through SW16, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SW13 – SW16, which exhibited Benzene, TPH, and chloride concentrations in excess of NMOCD Closure Criteria. A deferral was requested for contaminated soil left in-situ beneath process equipment, to be remediated and reclaimed upon facility P&A.

On September 24, 2024, one composite confirmation soil sample was collected from the caliche backfill pit. Soil sample Caliche, was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in the submitted sample.

The initial excavated areas totaled approximately two thousand square feet and ranged in depth from four to ten feet bgs. During initial remediation activities approximately 670 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

On October 10, 2024, a Remediation Summary and Deferral Request was submitted to NMOCD for approval. On October 10, 2024, the Deferral was denied. The tank and process equipment was then moved and excavation activities recommenced.

From October 21-29, 2024, the area was excavated. Excavated contaminated soil was directly loaded and transported to an NMOCD approved disposal facility.

On October 29, 2024, Hungry Horse, LLC notified NMOCD that closure samples would be collected on November 1, 2024. NMOCD Correspondence is provided as Attachment II.

On November 1, 2024, twenty composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1 through FL8 and SW1 through SW12, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of FL1 – FL8, which exhibited TPH, and chloride concentrations in excess of NMOCD Closure Criteria.

From December 19, 2024, through January 7, 2025, the areas characterized by sample locations FL1 – FL8 were excavated. Excavated contaminated soil was directly loaded and transported to an NMOCD approved disposal facility. Clean caliche for backfill was backhauled and stockpiled on location. The caliche pit was sampled on September 24, 2024. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in the submitted sample.

On January 7, 2025, Hungry Horse, LLC notified NMOCD that closure samples would be collected on January 10, 2025. NMOCD Correspondence is provided as Attachment II.

On January 10, 2025, sixteen composite confirmation soil samples were collected from the excavation floor and sidewalls, with each sample representing no more than 200 square feet. Soil samples FL1b through FL8b and SW13 through SW20, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of FL3b, which exhibited TPH concentrations in excess of NMOCD Closure Criteria.

On January 13, 2025, the area characterized by sample location FL3b was excavated. Excavated contaminated soil was immediately loaded and hauled to an NMOCD approved disposal facility. On January 14, 2025, Hungry Horse, LLC notified NMOCD that closure samples would be collected on January 17, 2025. NMOCD Correspondence is provided as Attachment II.

On January 17, 2025, one composite confirmation soil sample was collected from the excavation floor, the sample representing no more than 200 square feet. Soil sample FL3c was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in the submitted sample.

The final excavated area totaled approximately sixteen hundred square feet and ranged in depth from sixteen to twenty-five feet bgs. From all remediation activities, approximately 1,900 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

Sample Map 10/14/20; 11/30/20; 12/1/20, Delineation Sample Map, Initial Excavation Floor Sample Map, Initial Excavation Sidewall Sample Map, and Final Excavation Sample Map, are provided as Figure 4, Figure 5, Figure 6, Figure 7, and Figure 8, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Sampling Procedure and Identification:

During confirmation sampling, five-point composite soil samples were collected from the floor of the excavation, each collected sample representing an area no greater than 200 square feet. These sample locations are identified by FL designation. Five-point composite soil samples were also collected from the sidewalls of the excavation, with each collected sample representing an area no greater than 200 square feet. These sample locations are identified by SW designation.

Excavation sidewall samples SW1 through SW20 were collected as five-point composite samples, collected from the sidewalls of the excavation, from the excavation surface to the excavation floor. Excavation Sample Map, provided as Figure 6, depicts sidewall sample boundaries.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavation has been backfilled with locally sourced, clean, non-impacted caliche. The area was contoured to achieve erosion control and preserve surface water flow. Containment berms will be rebuilt to contain 1.5 times the volume of the tank when the facility is brought back into production. As the affected area is located on an active well pad, no re-seeding will be required.

Closure Request:

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

Based on laboratory analytical results, Murchison Oil & Gas respectfully requests closure of the Ringer Federal #2 location, NRM2027443562.



Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



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Distribution:

Ridge Runner Resources Operating, LLC 4000 N Big Spring Ste 210 Midland, TX 79705

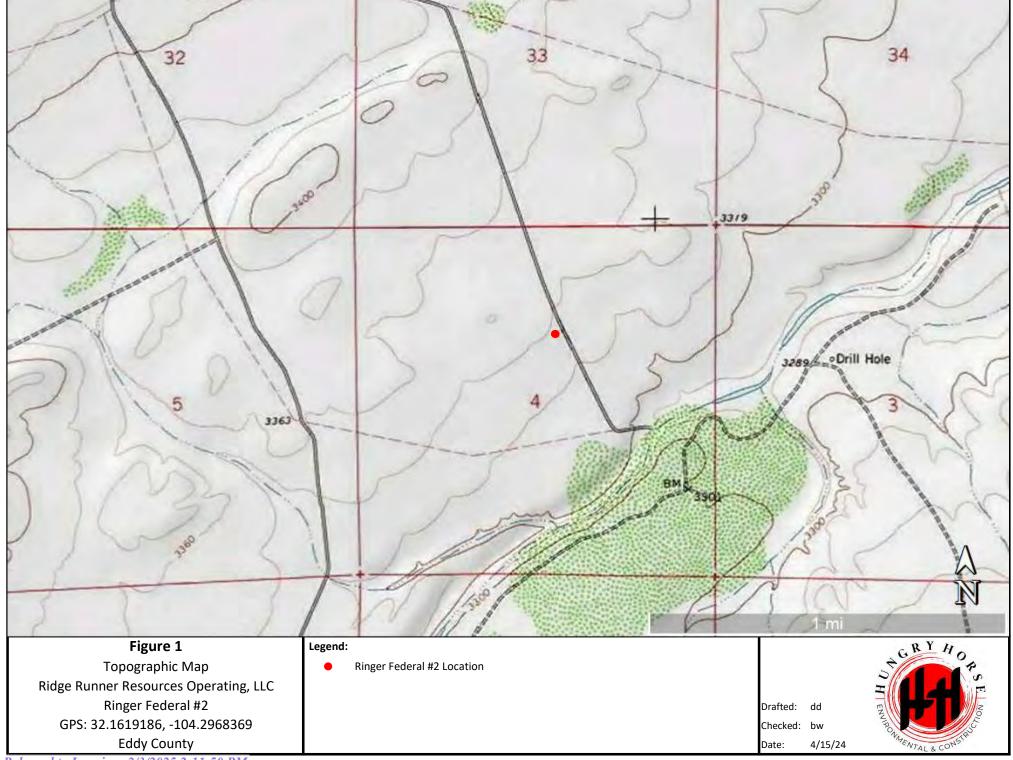
New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First St.

Artesia, NM 88210

Fred Beard 185 Means Rd. Carlsbad, NM 88220

Figures

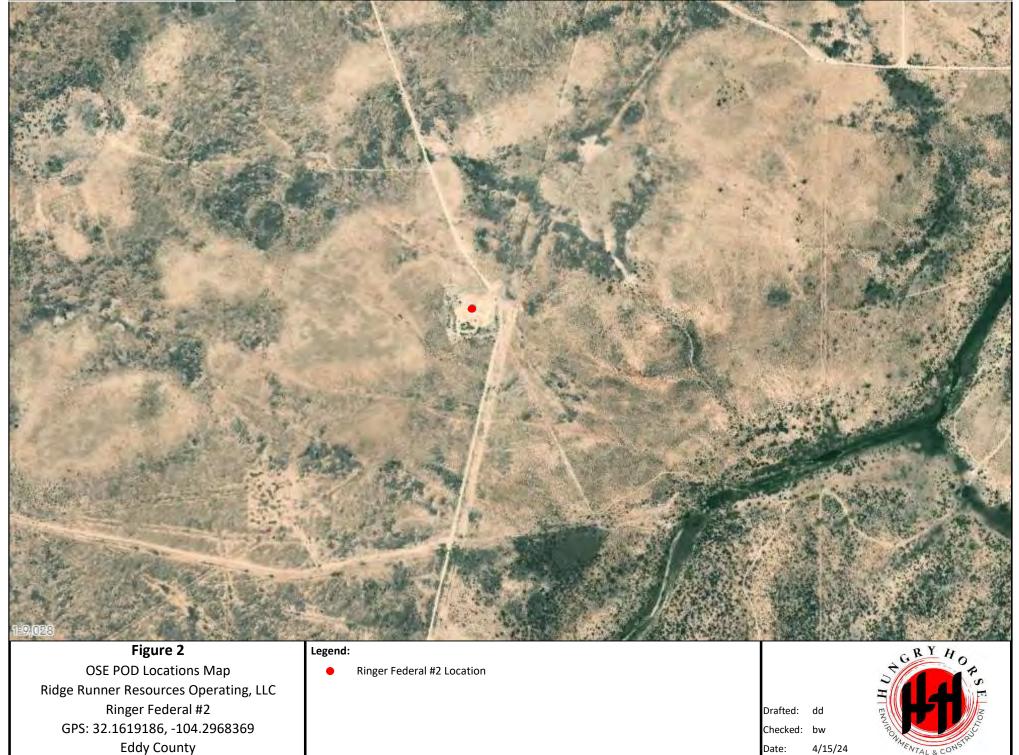
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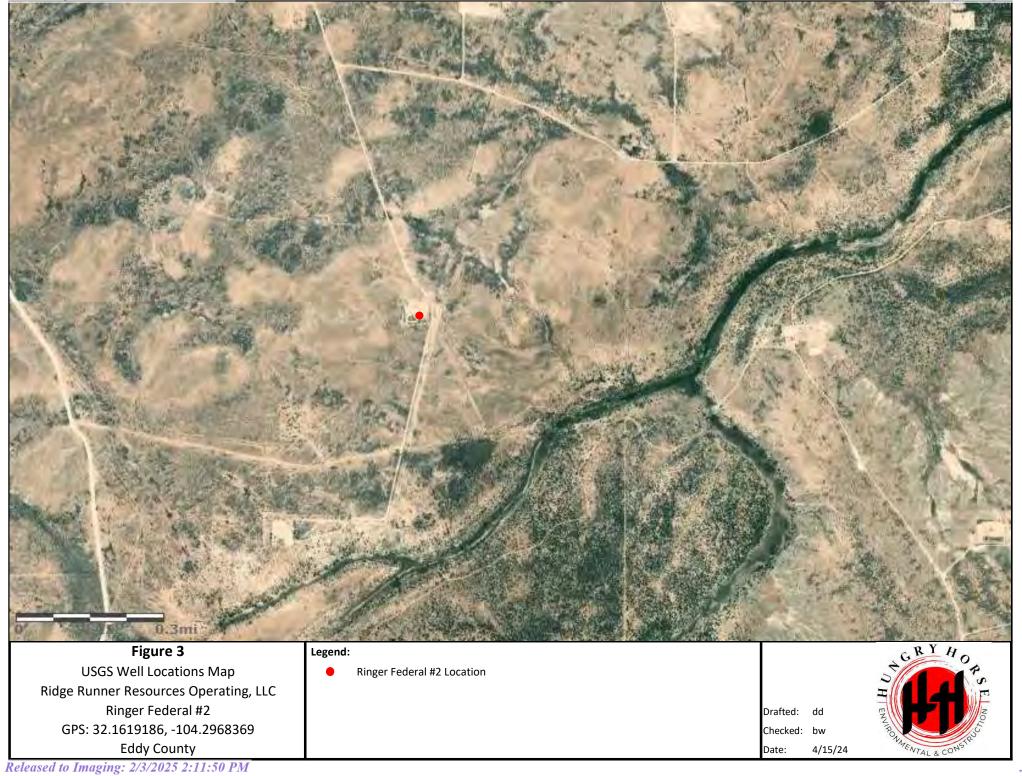


4/15/24

NTAL & CO

Date:









GPS: 32.1619186, -104.2968369

HZ1 12'N

Horizontal Sample Location

RT Hicks Sample Bore Location

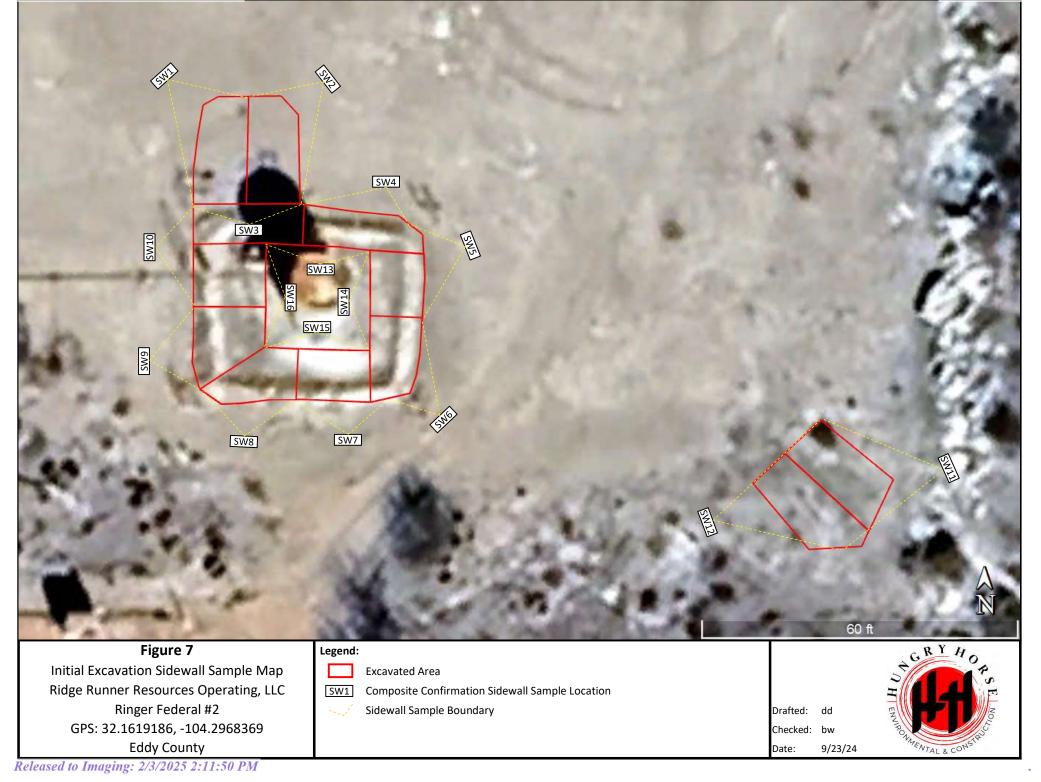
Drafted: dd Checked: bw Date: 7/19/24



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Table

TABLE 1 Summary of Soil Sample Laboratory Analytical Results Ridge Runner Resources Operating, LLC Ringer Federal #2 NMOCD Ref. #: NRM2027443562

SP1 10 10 10 10 10 10 10 10 10 10 10 10 10 1	Date 0/14/20 0/14/20 0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	Depth (ft) 0-4 2-4 4.25 4.25 6-8 9-10 12-14	Soil Status Excavated Excavated Excavated Excavated Excavated Excavated	Benzene (mg/kg) 3.35 - - 4.92 <0.200	BTEX (mg/kg) - - 1,050	GRO C ₆ -C ₁₀ (mg/kg) 8,260 -	DRO C ₁₀ -C ₂₈ (mg/kg) 5,720 -	GRO + DRO C ₆ -C ₂₈ (mg/kg) 13,980 -	ORO C ₂₈ -C ₃₆ (mg/kg) <10.0	TPH C ₆ -C ₃₆ (mg/kg) 13,980	Chloride (mg/kg) 464
SP1 10 10 10 10 10 10 10 10 10 10 10 10 10 1	0/14/20 0/14/20 0/14/20 0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	(ft) 0-4 0-2 2-4 4.25 4.5 6-8 9-10	Excavated Excavated Excavated Excavated Excavated Excavated	3.35 - - 4.92 <0.200	754 - - 1,050	(mg/kg)	(mg/kg)	C ₆ -C ₂₈ (mg/kg)	(mg/kg) <10.0	(mg/kg)	(mg/kg) 464
SP1 10 10 10 10 10 10 10 10 10 10 10 10 10 1	0/14/20 0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	0-2 2-4 4.25 4.5 6-8 9-10	Excavated Excavated Excavated Excavated Excavated	- - 4.92 <0.200	- - 1,050				<10.0		-
SP1 10 10 10 10 10 10 10 10 10 10 10 10 10 1	0/14/20 0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	0-2 2-4 4.25 4.5 6-8 9-10	Excavated Excavated Excavated Excavated Excavated	- - 4.92 <0.200	- - 1,050	8,260 - -	5,720 -	13,980 -		13,980	-
SP1 10 10 10 10 10 10 10 11 11 SB1 1	0/14/20 0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	2-4 4.25 4.5 6-8 9-10	Excavated Excavated Excavated Excavated	- 4.92 <0.200	- 1,050	-	-	-	-	_	
10 10 5B1 1	0/14/20 0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	4.25 4.5 6-8 9-10	Excavated Excavated Excavated	<0.200		-					464
10 11 SB1 1	0/14/20 12/1/20 12/1/20 12/1/20 0/14/20	4.5 6-8 9-10	Excavated Excavated	<0.200			-	-	-	-	432
SB1 1	12/1/20 12/1/20 12/1/20 0/14/20	6-8 9-10	Excavated			14,000	8,070	22,070	<10.0	22,070	656
SB1 1	12/1/20 12/1/20 0/14/20	9-10		ND	29.2	1,250	3,340	4,590	<10.1	4,590	512
	12/1/20 0/14/20		Excavated	ND	8.5	210	730	940	ND	940	1,600
1	0/14/20	12-14	uruted	ND	25	850	1,900	2,750	ND	2,750	1,400
I			Excavated	ND	ND	ND	11	11	ND	11	120
10	- 1 1	0-4	Excavated	2.83	910	9,170	6,630	15,800	<10.0	15,800	2,400
10	0/14/20	0-2	Excavated	-	-	-	-	-	-	-	2,080
SP2 10	0/14/20	2-4	Excavated	-	-	-	-	-	-	-	2,800
10	0/14/20	4.25	Excavated	1.46	475	8,280	5,470	13,750	<10.0	13,750	2,400
10	0/14/20	4.5	Excavated	<0.200	11.4	401	1,430	1,831	<10.1	1,831	2,440
1	12/1/20	6-8	Excavated	ND	320	3,400	6,200	9,600	ND	9,600	3,600
SB2 1	12/1/20	12.5	Excavated	ND	1.3	83	180	263	ND	263	240
1	12/1/20	18	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
10	0/14/20	0-4	Excavated	<0.050	2.56	73.9	167	241	<10.0	241	576
10	0/14/20	0-2	Excavated	-	-	-	-	-	-	-	336
SP3 10	0/14/20	2-4	Excavated	-	-	-	-	-	-	-	976
10	0/14/20	4.25	Excavated	<0.050	1.03	<10.0	14.0	<20.0	<10.0	<30.0	880
10	0/14/20	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
11	1/30/20	6-8	Excavated	ND	2.6	55	26	81	ND	81	1,800
11	1/30/20	12-14	Excavated	ND	4.1	170	380	550	ND	550	290
SB3 11	1/30/20	24-29	Excavated	ND	1.3	32	83	115	ND	115	100
11	1/30/20	34	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
11	1/30/20	49	In-Situ	ND	0.57	ND	ND	ND	ND	ND	ND
10	0/14/20	0-4	Excavated	<2.50	650	7,560	6,340	13,900	12.2	13,912.2	1,090
10	0/14/20	0-2	Excavated	-	-	-	-	-	-	-	1,200
SP4 10	0/14/20	2-4	Excavated	-	-	-	-	-	-	-	896
	0/14/20	4.25	Excavated	<2.50	475	9,790	6,880	16,670	<10.0	16,670	864
10	0/14/20	4.5	Excavated	<0.200	26.5	1,100	3,370	4,470	<10.1	4,470	928
1	12/1/20	6-8	Excavated	ND	200	1,800	6,000	7,800	ND	7,800	740
		16-18	In-Situ	ND	0.33	16	ND	ND	ND	16	450
	12/1/20	24	In-Situ	ND	ND	ND	ND	ND	ND	ND	230
10	0/14/20	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
BG —	0/14/20	4.25	Excavated	<0.050	0.574	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
	12/1/20	0-2	Excavated	-	-	-	-	-	-	-	4,900
	12/1/20	2-4	Excavated	-	-	-	-	-	-	-	1,700
	12/1/20	4	Excavated	-	-	-	-	-	-	-	2,700
	12/1/20	10	In-Situ	-	-	-	-	-	-	-	76
NMOCD Clos				10	50	-	-	N/A	-	100	600

TABLE 1 Summary of Soil Sample Laboratory Analytical Results Ridge Runner Resources Operating, LLC Ringer Federal #2 NMOCD Ref. #: NRM2027443562

County ID		Depth		Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	ТРН	Chloride
Sample ID	Date	(ft)	Soil Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C ₆ -C ₂₈ (mg/kg)	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
604	6/5/24	Surf	Excavated	<0.050	<0.300	<10.0	5,560	5,560	75.0	5,635	3,960
SP1 -	6/10/24	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
600	6/5/24	Surf	Excavated	<0.050	<0.300	<10.0	215	215	<10.0	215	912
SP2	6/5/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
600	6/5/24	Surf	Excavated	<0.050	<0.300	<10.0	90.7	90.7	<10.0	90.7	80.0
SP3 -	6/5/24	1	Excavated	<0.050	5.59	394	568	962	<10.0	962	400
1171	6/5/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ1 -	6/5/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ2	6/5/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
ΠΖΖ	6/5/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ3	6/5/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
1125	6/5/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
HZ4	6/5/24	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
ΠΖ4	6/5/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL1	9/24/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL2	9/24/24	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL3	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL4	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL5	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL6	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL7	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL8	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL9	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL10	9/24/24	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL11	9/24/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL12	9/24/24	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW1	9/24/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW2	9/24/24	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW3	9/24/24	4-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW4	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW5	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW6	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW7	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW8	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW9	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW10	9/24/24	0-10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW11	9/24/24	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW12	9/24/24	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW13	9/24/24	0-10	Excavated	<0.200	52.2	1,300	2,740	4,040	<10.0	4,040	1,310
SW14	9/24/24	0-10	Excavated	<0.100	38.5	867	2,080	2,947	<10.0	2,947	1,440
SW15	9/24/24	0-10	Excavated	<0.050	24.2	388	1,340	1,728	<10.0	1,728	2,480
SW16	9/24/24	0-10	Excavated	<0.200	61.2	1,140	2,780	3,920	<10.0	3,920	1,410
Caliche	9/24/24	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NMOCD C	losure Crite	ria		10	50	-	-	N/A	-	100	600

NOTES: - = Sample not analyzed for that constituent.

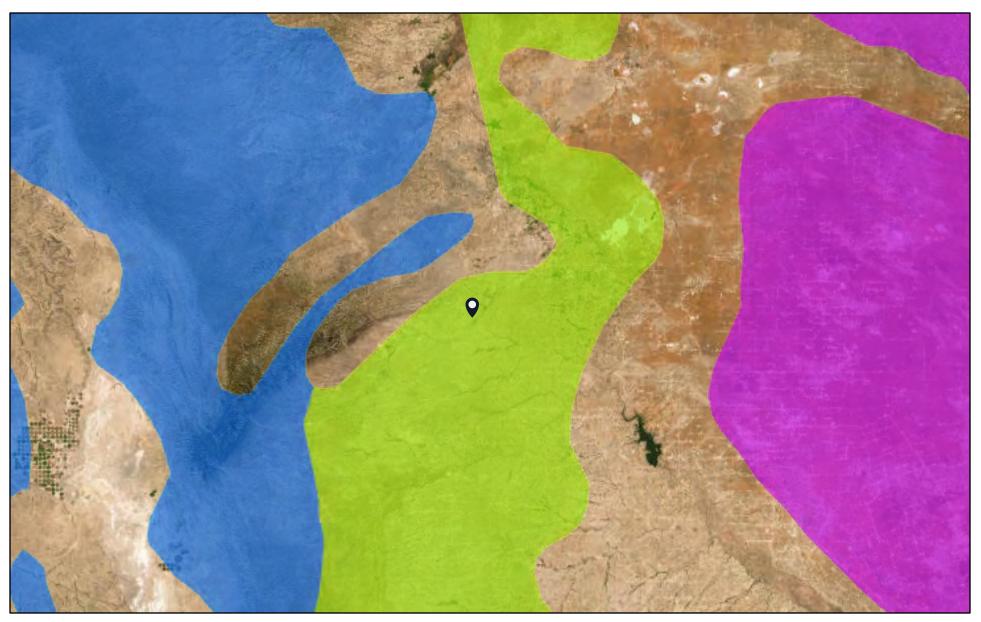
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria Released to Imaging: 2/3/2025 2:11:50 PM

TABLE 1 Summary of Soil Sample Laboratory Analytical Results Ridge Runner Resources Operating, LLC Ringer Federal #2

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	11/1/24	14	Excavated	<0.050	0.307	16.1	376	392.1	<10.0	392.1	1,340
FL2	11/1/24	14	Excavated	<0.050	1.03	26.7	954	980.7	52.7	1,033.4	1,840
FL3	11/1/24	14	Excavated	<0.050	1.47	93.2	652	745.2	<10.0	745.2	784
FL4	11/1/24	14	Excavated	<0.050	<0.300	<10.0	173	173	<10.0	173	2,440
FL5	11/1/24	14	Excavated	<0.050	<0.300	<10.0	19.4	<20.0	<10.0	<30.0	1,600
FL6	11/1/24	14	Excavated	<0.050	0.635	15.3	132	147.3	22.1	169.4	3,600
FL7	11/1/24	14	Excavated	<0.050	0.486	17.5	301	318.5	<10.0	318.5	1,200
FL8	11/1/24	14	Excavated	<0.050	<0.300	11.3	144	155.3	<10.0	155.3	1,600
SW1	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW2	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW3	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW4	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW5	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW6	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW7	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW8	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW9	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW10	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW11	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW12	11/1/24	0-14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL1b	1/10/25	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL2b	1/10/25	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL3b	1/10/25	16	Excavated	<0.050	<0.300	<10.0	145	145	215	360	80.0
FL3c	1/10/25	17	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL4b	1/10/25	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	15.6	<30.0	112
FL5b	1/10/25	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL6b	1/10/25	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL7b	1/10/25	25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL8b	1/10/25	25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW13	1/10/25	14-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW14	1/10/25	14-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW15	1/10/25	14-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW16	1/10/25	14-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW17	1/10/25	16-25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW18	1/10/25	16-25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW19	1/10/25	16-25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW20	1/10/25	16-25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NMOCD (Closure Crite	ria		10	50	-	-	N/A	-	100	600

Attachment I Karst, Wetland, and Soil Maps

Ringer Federal #2



4/17/2024

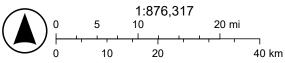
 Karst Type
 Volcanic

 Carbonate
 World Imagery

 Erosional
 Low Resolution 15m Imagery

 Gypsum
 High Resolution 60cm Imagery

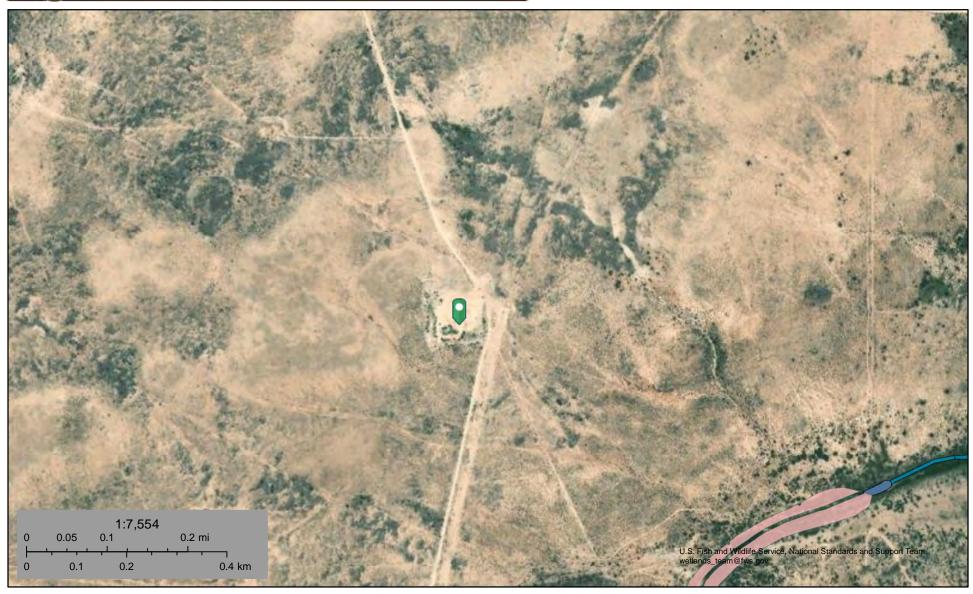
High Resolution 30cm Imagery Citations 150m Resolution Metadata



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

National Wetlands Inventory

Ringer Federal #2



April 17, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

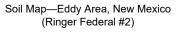
Freshwater Pond

Lake Other Riverine

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

Released to Imaging: 2/3/2025 2:11:50 PM

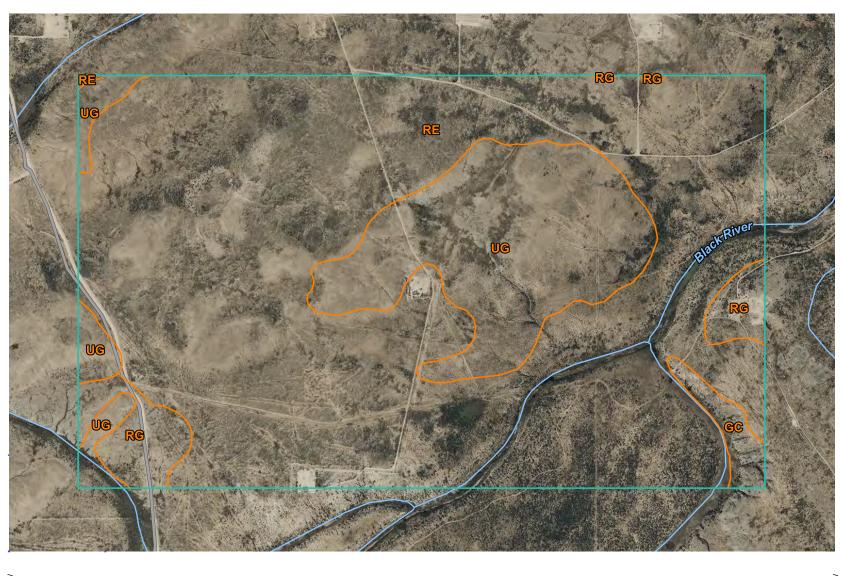
National Wetlands Inventory (NWI) This page was produced by the NWI mapper *Received by OCD: 2/3/2025 7:01:23 AM*



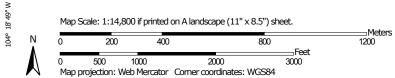
32° 10' 17" N

104° 16' 46'' W

32° 10' 17" N



32° 9'8" N



32° 9' 8" N

104° 16' 46" W

USDA Natural Resources Conservation Service Released to Imaging: 2/3/2025 2:11:50 PM Web Soil Survey National Cooperative Soil Survey 4/17/2024 Page 1 of 3

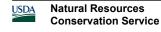
MAP LE	MAP INFORMATION
Area of Interest (AOI) Image: Area of Interest (AOI) Soils Image: Soil Map Unit Polygons Image: Soil Map Unit Points Image: Soil Map Unit Points	<section-header><section-header><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></section-header></section-header>
 Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole 	Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Nov 12, 2022—D 2, 2022 The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor
 Severely Eroded Spot Sinkhole 	

USDA Natural Resources Conservation Service Released to Imaging: 2/3/2025 2:11:50 PM

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	15.5	1.4%
RE	Reagan-Upton association, 0 to 9 percent slopes	816.7	75.7%
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	43.6	4.0%
UG	Upton gravelly loam, 0 to 9 percent slopes	202.6	18.8%
Totals for Area of Interest		1,078.4	100.0%



Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RE-Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d Elevation: 1,100 to 5,400 feet Mean annual precipitation: 6 to 14 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 180 to 240 days Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent Upton and similar soils: 25 percent Minor components: 5 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Alluvium and/or eolian deposits

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water
(Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 6e Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Ringer Federal #2

Hydrologic Soil Group: B *Ecological site:* R042CY153NM - Loamy *Hydric soil rating:* No

Description of Upton

Setting

Landform: Ridges, fans Landform position (three-dimensional): Side slope, rise Down-slope shape: Convex Across-slope shape: Convex Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R042CY159NM - Shallow Loamy Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent Ecological site: R070BC007NM - Loamy Hydric soil rating: No

Pima

Percent of map unit: 2 percent *Ecological site:* R070BC017NM - Bottomland Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 19, Sep 7, 2023



Attachment II NMOCD Correspondence

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Page 32:0f 228

Action 385496

QUESTIONS

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	385496
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites					
Incident ID (n#)	nRM2027443562				
Incident Name	NRM2027443562 RINGER FEDERAL #2 @ 30-015-22308				
Incident Type	Oil Release				
Incident Status	Remediation Plan Approved				
Incident Well	[30-015-22308] RINGER FEDERAL COM #002				

Location of Release Source

Site Name	RINGER FEDERAL #2					
Date Release Discovered	09/29/2020					
Surface Owner	Federal					

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	2,000	
What is the estimated number of samples that will be gathered	28	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2024	
Time sampling will commence	08:00 AM	
Please provide any information necessary for observers to contact samplers	Roy Bell 575-626-8959	
Please provide any information necessary for navigation to sampling site	32.161666, -104.296746	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
Murchison Oil and Gas, LLC	15363
7250 Dallas Parkway	Action Number:
Plano, TX 75024	385496
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)
	·

CONDITIONS

Created By Condition Condition Date Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the 9/20/2024 ccottrell remediation closure samples not being accepted.

Page 33eof 228

Action 385496

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Page 34eof 228 QUESTIONS

Action 396725

QUESTIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	396725
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2027443562
Incident Name	NRM2027443562 RINGER FEDERAL #2 @ 30-015-22308
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-22308] RINGER FEDERAL COM #002

Location of Release Source

Site Name	RINGER FEDERAL #2
Date Release Discovered	09/29/2020
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,600	
What is the estimated number of samples that will be gathered	20	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/01/2024	
Time sampling will commence	08:00 AM	
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639 8 floor and 12 sidewall samples	
Please provide any information necessary for navigation to sampling site	32.161666, -104.296746	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	396725
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
hungryhorse	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/29/2024

CONDITIONS

Page 35eof 228

Action 396725

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 417806

QUESTIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	417806
	Action Type:
	[NOTIEV] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2027443562
Incident Name	NRM2027443562 RINGER FEDERAL #2 @ 30-015-22308
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-22308] RINGER FEDERAL COM #002

Location of Release Source

Site Name	RINGER FEDERAL #2
Date Release Discovered	09/29/2020
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,600	
What is the estimated number of samples that will be gathered	16	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/10/2025	
Time sampling will commence	08:00 AM	
Please provide any information necessary for observers to contact samplers	Shawn Cotton 575-605-1626 16 total; 8 floor, 8 sidewall	
Please provide any information necessary for navigation to sampling site	32.161666, -104.296746	

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

CONDITIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	417806
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
hungryhorse	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/7/2025

Action 417806

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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 420629

QUESTIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	420629
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2027443562
Incident Name	NRM2027443562 RINGER FEDERAL #2 @ 30-015-22308
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-22308] RINGER FEDERAL COM #002

Location of Release Source	
Site Name	RINGER FEDERAL #2
Date Release Discovered	09/29/2020
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639
Please provide any information necessary for navigation to sampling site	32.161666, -104.296746

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

CONDITIONS

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	420629
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
hungryhorse	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/14/2025

CONDITIONS

Action 420629

Daniel Dominguez

From:	Hall, Brittany, EMNRD <brittany.hall@emnrd.nm.gov></brittany.hall@emnrd.nm.gov>
Sent:	Wednesday, September 25, 2024 1:45 PM
То:	Cindy Cottrell
Cc:	Daniel Dominguez; Greg Boans
Subject:	RE: [EXTERNAL] Ringer Federal Com 2 - NRM2027443562 - Extension Request

Cindy,

The 30-day extension request is approved. The new due date for the remediation closure report is 10/27/2024.

Please include a copy of this correspondence in the remediation closure report.

Thank you, **Brittany Hall** ● Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or

From: Cindy Cottrell <ccottrell@jdmii.com>
Sent: Wednesday, September 25, 2024 12:25 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Daniel Dominguez <ddominguez@hungry-horse.com>; Greg Boans <gboans@jdmii.com>
Subject: [EXTERNAL] Ringer Federal Com 2 - NRM2027443562 - Extension Request

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

Brittany,

We would like to request a 30 day extension in order to complete the remediation work at Ringer Federal Com 2 (NRM2027443562) and submit the report which is due on Friday, 9/27/24. We are waiting on lab results from the closure samples taken on 9/24/24. If the closure criteria are met, the excavated area will need to be backfilled and contoured to prevent erosion.

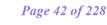
Thank you for your consideration.

容 MURCHISON OIL AND GAS, LLC

Cindy Cottrell Regulatory Coordinator & Corporate Secretary 7250 Dallas Parkway, Suite 1400 Plano, TX 75024 Direct Line: 469-573-6413

Released to Imaging: 2/3/2025 2:11:50 PM

Attachment III Depth to Groundwater



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

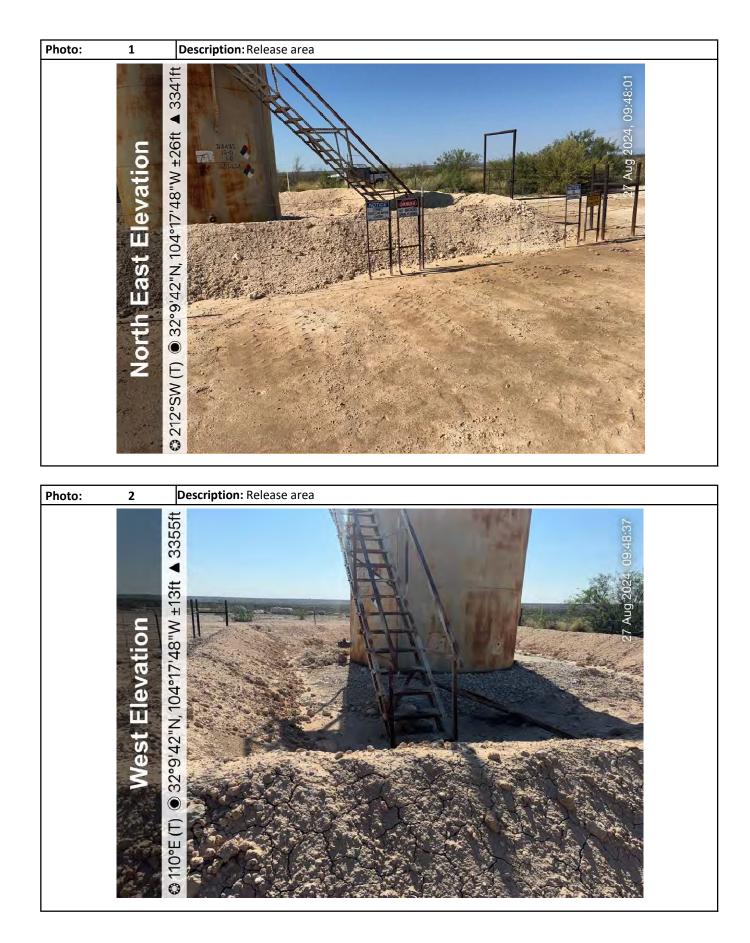
				No wells found.
UTMNAD83 Ra Easting (X):	dius Search (in meters): 566301.25	Northing (Y):	3558599.95	Radius: 805
The data is furnished by particular purpose of the		by the recipient with	the expressed understanding that the	the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for

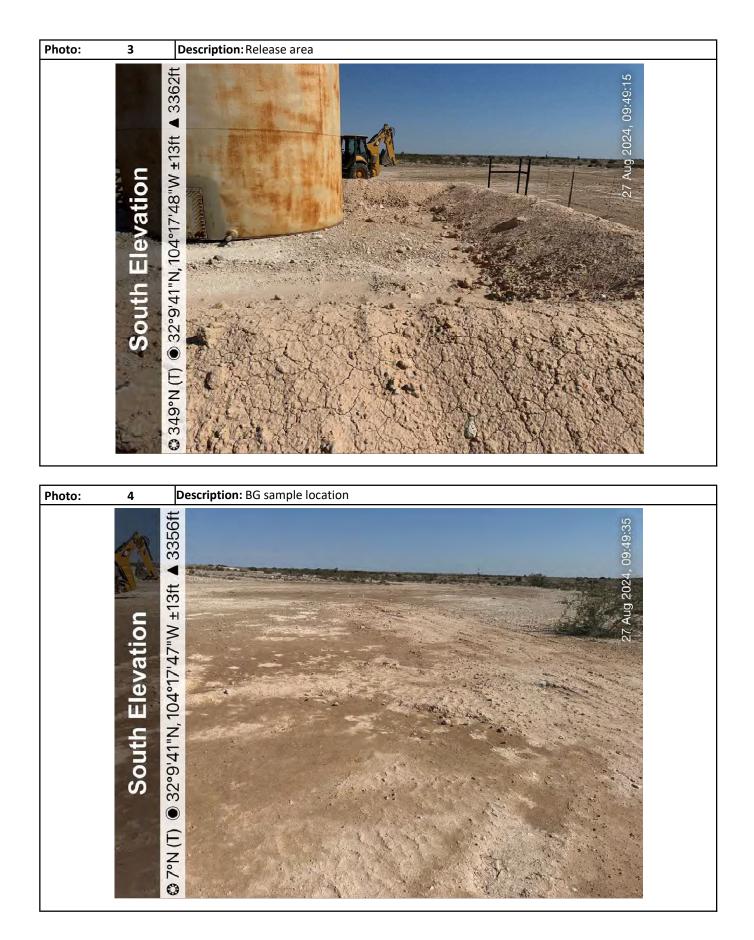
4/17/24 10:50 AM

WELLS WITH WELL LOG INFORMATION

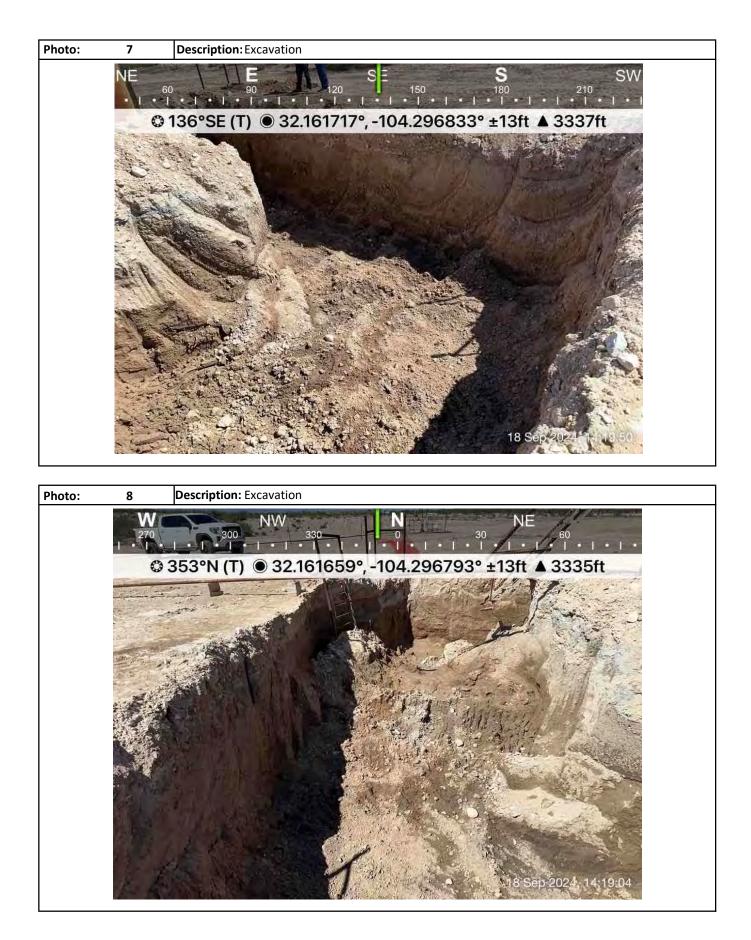
Attachment IV Site Photographs

Photographs









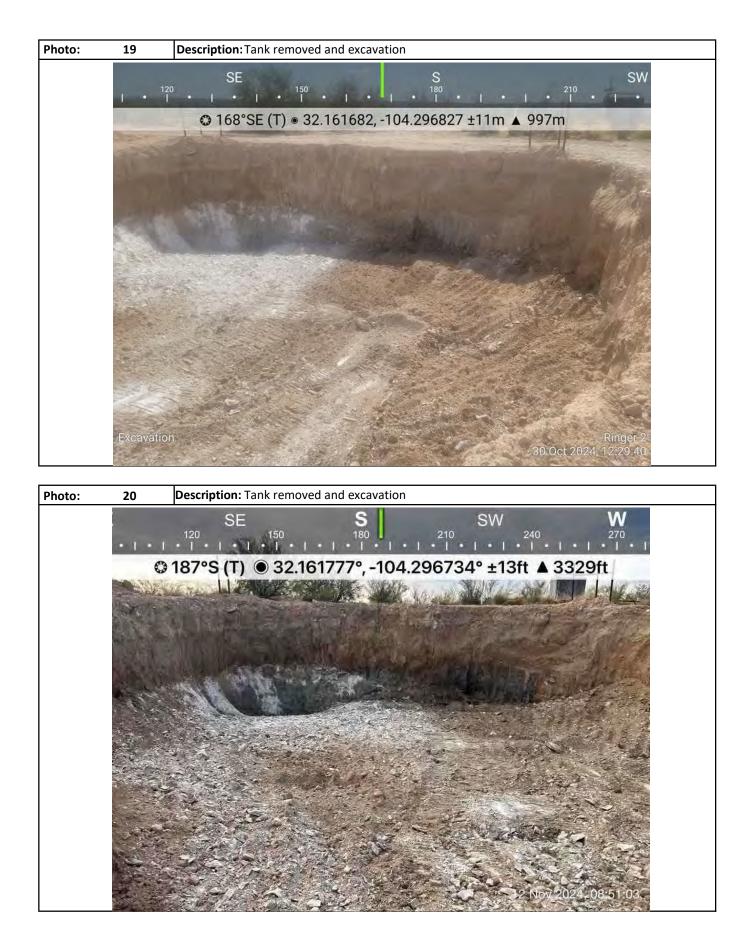




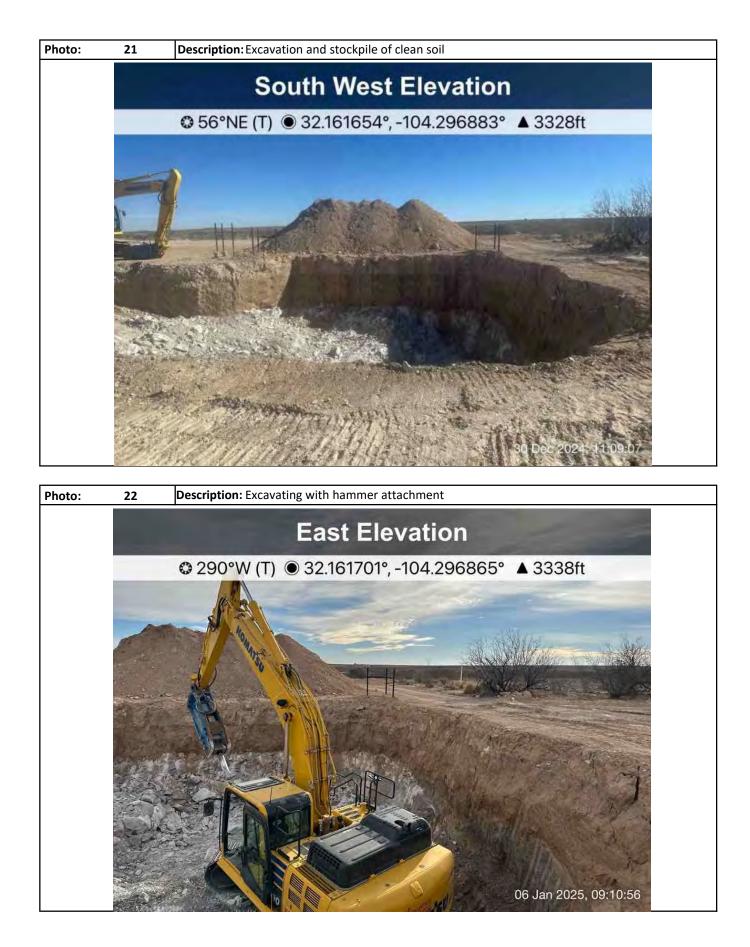


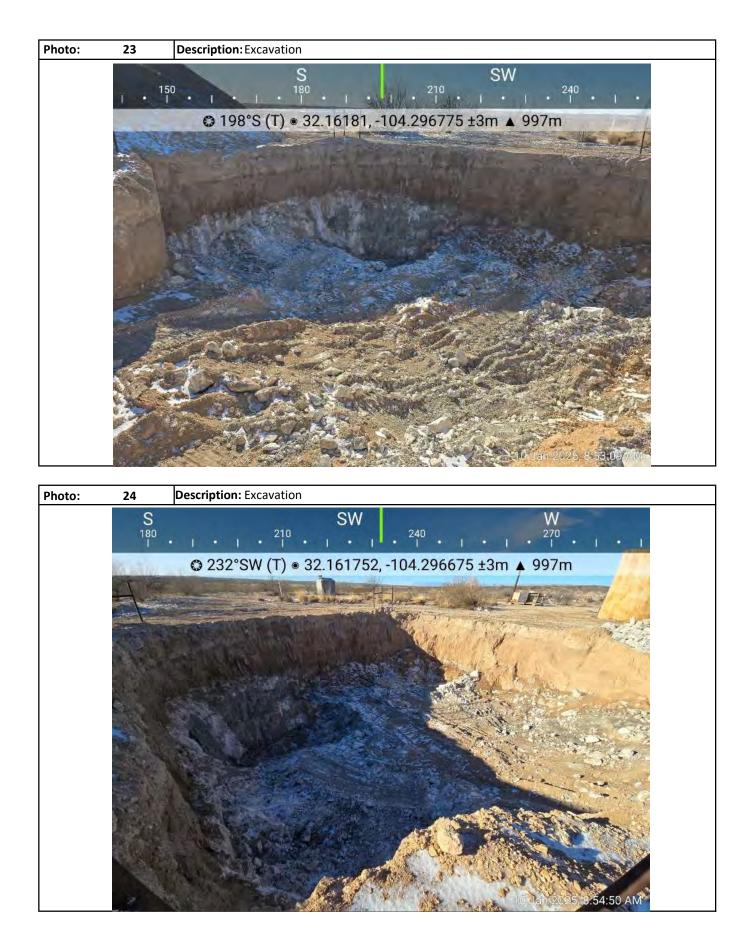


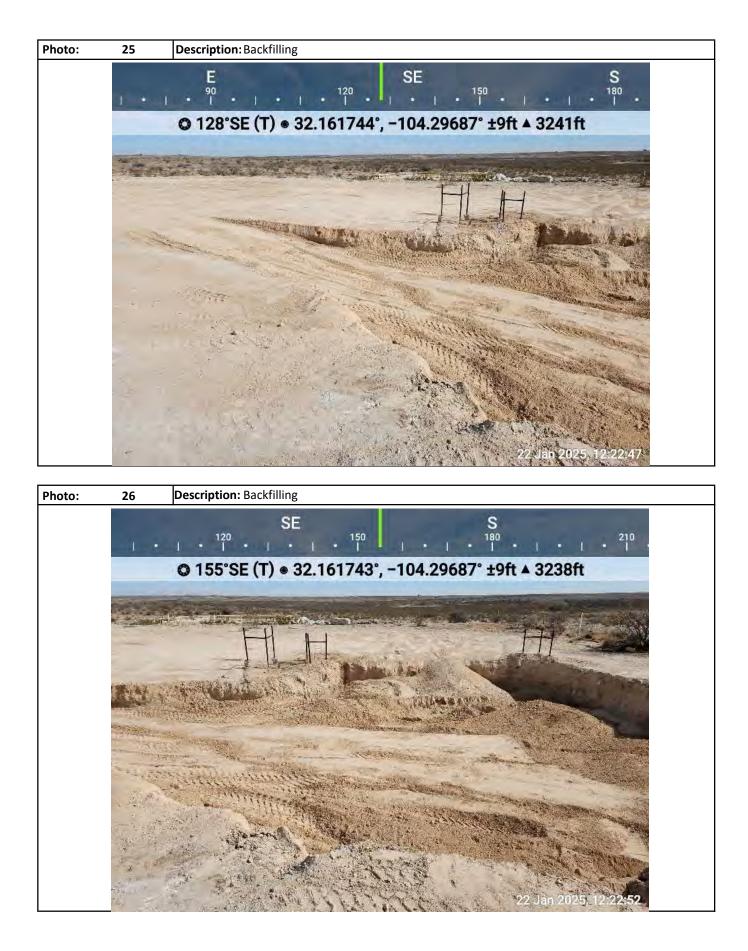














Attachment V Field Data

Sample Log

Hungry Horse, LLC Project: Ringer Federal #2

,	-		
Karst	Yes	Water	<50'
Standard	TPH 100mg/kg,	Chloride	600mg/kg

Date: 6/5/2024 GPS: 32.1619186, -104.2968369 Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
HZI	Surf	AD	1.8@43x4=172	
	L,	NO	1.60 3624=144	
HZZ	Surf	AIM	2.00 49 ×4=196	
1/- 0	11	nom	1.80 43x4=172	
出て3	Surt	NO	11/2@ 36x4=144	
	1	NO	1.4 @ 30×4=120	
HZ4	Surf	NO	2.00 4984=196	
	11	NO	1.80 43×4=172	
SP1	Surf	Yes	5.40 2104×4=1,056	
0.1.1	1'	NO	2.4@ 105×4=2100	
	2'	Little	2.Be 49×4= 196	
	3'	Little	4,8@210x4= 840	
	4'	No	1.4 e .30×4= 120	
SP2	Suct	Yes	4-840 897 4= 3588	
0,00	L'		6,40 377 ×4=1,502	
	2'		5.100 28414- 1136	
	3'	1	7.00 465 x4= 1,860	
	41		7.00 465×4=1,860	
	B		7.80 620+4= 2.490	
	<u>B'</u> 8'		7.80 1020x4=2,480	
	10'		1.2 >100	
SP3	Surf	No	1,80 H3X4=142	
1. J. J. J. J.	ľ	A)n	2,80-2324= 332	
	.21	1012		
	3'			
	4'			
	105			
	8"			
	10'			
	12'			
	10			
		1		

Sample Point = SP1 @ ## etc

Test Trench = TT1 @ ##

Sidewail = SW1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

Attachment VI Laboratory Analytical Results



December 11, 2020

Kristin Pope R.T. Hicks Consultants, LTD 901 Rio Grande Blvd. NW Suite F-142 Albuquerque, NM 87104 TEL: (505) 266-5004 FAX: (505) 266-0745

RE: Murchison Ringer Fed 2 Release

OrderNo.: 2012240

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kristin Pope:

Hall Environmental Analysis Laboratory received 14 sample(s) on 12/4/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

CLIENT: R.T. Hicks Consultants, LTD

2012240-001

Murchison Ringer Fed 2 Release

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB-3 @ 6-8' bgs Collection Date: 11/30/2020 1:22:00 PM Received Date: 12/4/2020 8:00:00 AM

Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	1800	60		mg/Kg	20	12/7/2020 11:54:43 PM	56845
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Analyst	: mb
Diesel Range Organics (DRO)	26	9.9		mg/Kg	1	12/7/2020 1:42:52 PM	56808
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2020 1:42:52 PM	56808
Surr: DNOP	102	30.4-154		%Rec	1	12/7/2020 1:42:52 PM	56808
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	55	25		mg/Kg	5	12/6/2020 1:38:07 AM	56805
Surr: BFB	148	75.3-105	S	%Rec	5	12/6/2020 1:38:07 AM	56805
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.12		mg/Kg	5	12/6/2020 1:38:07 AM	56805
Toluene	ND	0.25		mg/Kg	5	12/6/2020 1:38:07 AM	56805
Ethylbenzene	ND	0.25		mg/Kg	5	12/6/2020 1:38:07 AM	56805
Xylenes, Total	2.6	0.49		mg/Kg	5	12/6/2020 1:38:07 AM	56805
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	5	12/6/2020 1:38:07 AM	56805

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 19

Project:

Lab ID:

CLIENT: R.T. Hicks Consultants, LTD

2012240-002

Murchison Ringer Fed 2 Release

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: SB-3 @ 12-14' bgs

 Collection Date: 11/30/2020 2:05:00 PM

 Matrix: SOIL
 Received Date: 12/4/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	VP
Chloride	290	60		mg/Kg	20	12/8/2020 7:36:52 PM	56857
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	mb
Diesel Range Organics (DRO)	380	9.5		mg/Kg	1	12/7/2020 2:12:09 PM	56808
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2020 2:12:09 PM	56808
Surr: DNOP	87.0	30.4-154		%Rec	1	12/7/2020 2:12:09 PM	56808
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	170	25		mg/Kg	5	12/6/2020 3:12:08 AM	56805
Surr: BFB	253	75.3-105	S	%Rec	5	12/6/2020 3:12:08 AM	56805
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.12		mg/Kg	5	12/6/2020 3:12:08 AM	56805
Toluene	ND	0.25		mg/Kg	5	12/6/2020 3:12:08 AM	56805
Ethylbenzene	ND	0.25		mg/Kg	5	12/6/2020 3:12:08 AM	56805
Xylenes, Total	4.1	0.49		mg/Kg	5	12/6/2020 3:12:08 AM	56805
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	5	12/6/2020 3:12:08 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 19

12/6/2020 4:47:28 AM

56805

56805

56805

56805

56805

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD	Client Sample ID: SB-3 @ 24-29' bgs						
Project: Murchison Ringer Fed 2 Relea	Collection Date: 11/30/2020 2:56:00 PM						
Lab ID: 2012240-003	Matrix: SOIL	Iatrix: SOIL Received Date: 12/4/2020 8:00:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	100	60		mg/Kg	20	12/8/2020 7:49:17 PM	56857
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	: mb
Diesel Range Organics (DRO)	83	9.5		mg/Kg	1	12/7/2020 2:21:54 PM	56808
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2020 2:21:54 PM	56808
Surr: DNOP	92.4	30.4-154		%Rec	1	12/7/2020 2:21:54 PM	56808
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	32	25		mg/Kg	5	12/6/2020 4:47:28 AM	56805
Surr: BFB	130	75.3-105	S	%Rec	5	12/6/2020 4:47:28 AM	56805
EPA METHOD 8021B: VOLATILES						Analyst	: NSB

ND

ND

ND

1.3

102

0.12

0.25

0.25

0.50

80-120

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

5

5

5

5

5

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-3 @ 34' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 11/30/2020 3:21:00 PM Lab ID: 2012240-004 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 59 mg/Kg 20 12/8/2020 8:01:42 PM 56857 80

EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	mb
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/7/2020 2:31:37 PM	56808
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/7/2020 2:31:37 PM	56808
Surr: DNOP	84.9	30.4-154	%Rec	1	12/7/2020 2:31:37 PM	56808
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/6/2020 5:11:17 AM	56805
Surr: BFB	98.4	75.3-105	%Rec	1	12/6/2020 5:11:17 AM	56805
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	12/6/2020 5:11:17 AM	56805
Toluene	ND	0.049	mg/Kg	1	12/6/2020 5:11:17 AM	56805
Ethylbenzene	ND	0.049	mg/Kg	1	12/6/2020 5:11:17 AM	56805
Xylenes, Total	ND	0.098	mg/Kg	1	12/6/2020 5:11:17 AM	56805
Surr: 4-Bromofluorobenzene	97.6	80-120	%Rec	1	12/6/2020 5:11:17 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	R.T. Hicks Consultants, LT	D	C	ient Sample II	D: SE	8-3 @ 49' bgs	
Project: Murchison Ringer Fed 2 Release				Collection Dat	e: 11	/30/2020 4:38:00 PM	
Lab ID:	2012240-005	Matrix: SOIL	SOIL Received Date: 12/4/2020 8:00:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: VP
Chloride		ND	60	mg/Kg	20	12/8/2020 8:14:06 PM	56857
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: mb
Diesel R	ange Organics (DRO)	ND	9.1	mg/Kg	1	12/7/2020 2:41:22 PM	56808
Motor O	il Range Organics (MRO)	ND	46	mg/Kg	1	12/7/2020 2:41:22 PM	56808
Surr:	DNOP	106	30.4-154	%Rec	1	12/7/2020 2:41:22 PM	56808
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	12/6/2020 5:35:00 AM	56805
Surr:	BFB	104	75.3-105	%Rec	1	12/6/2020 5:35:00 AM	56805
EPA ME	THOD 8021B: VOLATILES					Analyst	: NSB

PA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	12/6/2020 5:35:00 AM	56805
Toluene	ND	0.048	mg/Kg	1	12/6/2020 5:35:00 AM	56805
Ethylbenzene	ND	0.048	mg/Kg	1	12/6/2020 5:35:00 AM	56805
Xylenes, Total	0.57	0.095	mg/Kg	1	12/6/2020 5:35:00 AM	56805
Surr: 4-Bromofluorobenzene	99.6	80-120	%Rec	1	12/6/2020 5:35:00 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 19

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 12/11/2020 **CLIENT:** R.T. Hicks Consultants, LTD Client Sample ID: SB-1 @ 6-8' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 12/1/2020 9:54:00 AM Lab ID: 2012240-006 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 1600 61 mg/Kg 20 12/8/2020 8:51:20 PM 56857 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb **Diesel Range Organics (DRO)** 730 9.3 mg/Kg 1 12/7/2020 2:51:04 PM 56808 808 808 SB

Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/7/2020 2:51:04 PM	56808
Surr: DNOP	106	30.4-154		%Rec	1	12/7/2020 2:51:04 PM	56808
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	210	5.0		mg/Kg	1	12/6/2020 5:58:39 AM	56805
Surr: BFB	712	75.3-105	S	%Rec	1	12/6/2020 5:58:39 AM	56805
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.025		mg/Kg	1	12/6/2020 5:58:39 AM	56805
Toluene	0.20	0.050		mg/Kg	1	12/6/2020 5:58:39 AM	56805
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2020 5:58:39 AM	56805
Xylenes, Total	8.5	0.099		mg/Kg	1	12/6/2020 5:58:39 AM	56805
Surr: 4-Bromofluorobenzene	126	80-120	S	%Rec	1	12/6/2020 5:58:39 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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Surr: 4-Bromofluorobenzene

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-1 @ 9-10' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 12/1/2020 10:12:00 AM Lab ID: 2012240-007 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 1400 59 mg/Kg 20 12/8/2020 9:03:45 PM 56857 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM **Diesel Range Organics (DRO)** 1900 98 mg/Kg 10 12/9/2020 3:48:55 PM 56808 ND 490 Motor Oil Range Organics (MRO) D mg/Kg 10 12/9/2020 3:48:55 PM 56808 Surr: DNOP S 0 30.4-154 %Rec 10 12/9/2020 3:48:55 PM 56808 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 850 5 12/6/2020 6:22:16 AM 56805 25 mg/Kg Surr: BFB 682 75.3-105 S %Rec 5 12/6/2020 6:22:16 AM 56805 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 12/6/2020 6:22:16 AM Benzene 0.12 mg/Kg 5 56805 Toluene 0.85 0.25 mg/Kg 5 12/6/2020 6:22:16 AM 56805 Ethylbenzene ND 0.25 mg/Kg 5 12/6/2020 6:22:16 AM 56805 Xylenes, Total 25 0.49 mg/Kg 5 12/6/2020 6:22:16 AM 56805

118

80-120

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

5

12/6/2020 6:22:16 AM

56805

%Rec

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-1 @ 12-14' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 12/1/2020 10:27:00 AM Lab ID: 2012240-008 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 120 60 mg/Kg 20 12/8/2020 9:16:09 PM 56857 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb **Diesel Range Organics (DRO)** 11 8.9 mg/Kg 1 12/7/2020 3:10:28 PM 56808 Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 12/7/2020 3:10:28 PM 56808 Surr: DNOP 81.4 %Rec 12/7/2020 3:10:28 PM 30.4-154 1 56808 **EPA METHOD 8015D: GASOLINE RANGE** Analvst: NSB 05

						/ that you	NOD
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2020 6:46:08 AM	56805
Surr: BFB	117	75.3-105	S	%Rec	1	12/6/2020 6:46:08 AM	56805
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.025		mg/Kg	1	12/6/2020 6:46:08 AM	56805
Toluene	ND	0.049		mg/Kg	1	12/6/2020 6:46:08 AM	56805
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2020 6:46:08 AM	56805
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2020 6:46:08 AM	56805
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	12/6/2020 6:46:08 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project:

Lab ID:

CLIENT: R.T. Hicks Consultants, LTD

2012240-009

Murchison Ringer Fed 2 Release

Analytical Report Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB-2 @ 6-8' bgs Collection Date: 12/1/2020 11:14:00 AM Received Date: 12/4/2020 8:00:00 AM

Analyses	Result	RL Qual Units		DF	Batch			
EPA METHOD 300.0: ANIONS						Analyst	CAS	
Chloride	3600	150		mg/Kg	50	12/9/2020 5:30:23 PM	56857	
EPA METHOD 8015M/D: DIESEL RANGE O	ORGANICS					Analyst	BRM	
Diesel Range Organics (DRO)	6200	940		mg/Kg	100	12/8/2020 10:01:23 AM	56808	
Motor Oil Range Organics (MRO)	ND	4700	D	mg/Kg	100	12/8/2020 10:01:23 AM	56808	
Surr: DNOP	0	30.4-154	S	%Rec	100	12/8/2020 10:01:23 AM	56808	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: JDC	
Gasoline Range Organics (GRO)	3400	250		mg/Kg	50	12/7/2020 9:06:18 AM	56805	
Surr: BFB	285	75.3-105	S	%Rec	50	12/7/2020 9:06:18 AM	56805	
EPA METHOD 8021B: VOLATILES						Analyst	: NSB	
Benzene	ND	0.12		mg/Kg	5	12/6/2020 7:10:07 AM	56805	
Toluene	24	0.25		mg/Kg	5	12/6/2020 7:10:07 AM	56805	
Ethylbenzene	12	0.25		mg/Kg	5	12/6/2020 7:10:07 AM	56805	
Xylenes, Total	320	4.9		mg/Kg	50	12/7/2020 9:06:18 AM	56805	
Surr: 4-Bromofluorobenzene	163	80-120	S	%Rec	5	12/6/2020 7:10:07 AM	56805	

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project:

Lab ID:

CLIENT: R.T. Hicks Consultants, LTD

2012240-010

Murchison Ringer Fed 2 Release

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB-2 @ 12.5' bgs Collection Date: 12/1/2020 11:38:00 AM Received Date: 12/4/2020 8:00:00 AM

Euo ID: 20122 10 010	Mullin, SOIL								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: VP		
Chloride	240	60		mg/Kg	20	12/8/2020 9:40:58 PM	56857		
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS					Analyst	: mb		
Diesel Range Organics (DRO)	180	9.6		mg/Kg	1	12/7/2020 3:29:51 PM	56808		
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2020 3:29:51 PM	56808		
Surr: DNOP	84.0	30.4-154		%Rec	1	12/7/2020 3:29:51 PM	56808		
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB		
Gasoline Range Organics (GRO)	83	4.9		mg/Kg	1	12/6/2020 7:57:52 AM	56805		
Surr: BFB	398	75.3-105	S	%Rec	1	12/6/2020 7:57:52 AM	56805		
EPA METHOD 8021B: VOLATILES						Analyst	: NSB		
Benzene	ND	0.025		mg/Kg	1	12/6/2020 7:57:52 AM	56805		
Toluene	ND	0.049		mg/Kg	1	12/6/2020 7:57:52 AM	56805		
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2020 7:57:52 AM	56805		
Xylenes, Total	1.3	0.098		mg/Kg	1	12/6/2020 7:57:52 AM	56805		
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	12/6/2020 7:57:52 AM	56805		

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-2 @ 18' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 12/1/2020 12:51:00 PM Lab ID: 2012240-011 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 61 mg/Kg 20 12/8/2020 9:53:23 PM 56857 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb **Diesel Range Organics (DRO)** ND 9.1 mg/Kg 1 12/7/2020 3:39:31 PM 56808 Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 12/7/2020 3:39:31 PM 56808 Surr: DNOP 45.8 %Rec 12/7/2020 3:39:31 PM 56808 30.4-154 1 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 5.0 mg/Kg 12/6/2020 9:32:24 AM 56805 1 305

Surr: BFB	101	75.3-105	%Rec	1	12/6/2020 9:32:24 AM	56805
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	12/6/2020 9:32:24 AM	56805
Toluene	ND	0.050	mg/Kg	1	12/6/2020 9:32:24 AM	56805
Ethylbenzene	ND	0.050	mg/Kg	1	12/6/2020 9:32:24 AM	56805
Xylenes, Total	ND	0.099	mg/Kg	1	12/6/2020 9:32:24 AM	56805
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	12/6/2020 9:32:24 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J
 Analyte detected below quantitation limits

 P
 Sample pH Not In Range
- RL Reporting Limit
- Page 11 of 19

Surr: 4-Bromofluorobenzene

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-4 @ 6-8' bgs Collection Date: 12/1/2020 1:46:00 PM **Project:** Murchison Ringer Fed 2 Release Lab ID: 2012240-012 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 740 61 mg/Kg 20 12/8/2020 10:05:46 PM 56857 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM **Diesel Range Organics (DRO)** 6000 960 mg/Kg 100 12/8/2020 10:24:58 AM 56808 Motor Oil Range Organics (MRO) ND 4800 D mg/Kg 100 12/8/2020 10:24:58 AM 56808 Surr: DNOP S 100 12/8/2020 10:24:58 AM 56808 0 30.4-154 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 1800 5 12/6/2020 9:56:05 AM 56805 25 mg/Kg Surr: BFB 1090 75.3-105 S %Rec 5 12/6/2020 9:56:05 AM 56805 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 12/6/2020 9:56:05 AM Benzene 0.12 mg/Kg 5 56805 Toluene 10 0.25 mg/Kg 5 12/6/2020 9:56:05 AM 56805 Ethylbenzene 8.6 0.25 mg/Kg 5 12/6/2020 9:56:05 AM 56805 Xylenes, Total 200 5.0 mg/Kg 50 12/7/2020 9:29:47 AM 56805

159

80-120

S

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

5

12/6/2020 9:56:05 AM

56805

%Rec

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: SB-4 @ 16-18' bgs **Project:** Murchison Ringer Fed 2 Release Collection Date: 12/1/2020 2:24:00 PM Lab ID: 2012240-013 Matrix: SOIL Received Date: 12/4/2020 8:00:00 AM Analyses Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 450 60 mg/Kg 20 12/9/2020 11:42:56 AM 56879 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM **Diesel Range Organics (DRO)** ND 9.9 mg/Kg 1 12/8/2020 8:27:14 AM 56808 Motor Oil Range Organics (MRO) ND mg/Kg 50 1 12/8/2020 8:27:14 AM 56808 Surr: DNOP 85.9 %Rec 12/8/2020 8:27:14 AM 56808 30.4-154 1 E

EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	16	4.9		mg/Kg	1	12/6/2020 10:19:39 AM 56805
Surr: BFB	169	75.3-105	S	%Rec	1	12/6/2020 10:19:39 AM 56805
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2020 10:19:39 AM 56805
Toluene	ND	0.049		mg/Kg	1	12/6/2020 10:19:39 AM 56805
Ethylbenzene	0.061	0.049		mg/Kg	1	12/6/2020 10:19:39 AM 56805
Xylenes, Total	0.33	0.098		mg/Kg	1	12/6/2020 10:19:39 AM 56805
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	12/6/2020 10:19:39 AM 56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project:

Lab ID:

CLIENT: R.T. Hicks Consultants, LTD

2012240-014

Murchison Ringer Fed 2 Release

Analytical Report
Lab Order 2012240

Date Reported: 12/11/2020

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: SB-4 @ 24' bgs

 Collection Date: 12/1/2020 2:59:00 PM

 Matrix: SOIL
 Received Date: 12/4/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	230	60	mg/Kg	20	12/9/2020 11:55:20 AM	56879
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	mb
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/7/2020 4:08:41 PM	56808
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/7/2020 4:08:41 PM	56808
Surr: DNOP	39.1	30.4-154	%Rec	1	12/7/2020 4:08:41 PM	56808
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/6/2020 10:43:17 AM	56805
Surr: BFB	103	75.3-105	%Rec	1	12/6/2020 10:43:17 AM	56805
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	12/6/2020 10:43:17 AM	56805
Toluene	ND	0.049	mg/Kg	1	12/6/2020 10:43:17 AM	56805
Ethylbenzene	ND	0.049	mg/Kg	1	12/6/2020 10:43:17 AM	56805
Xylenes, Total	ND	0.099	mg/Kg	1	12/6/2020 10:43:17 AM	56805
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	12/6/2020 10:43:17 AM	56805

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Client: Project:	R.T. Hicks Consultants, LTI Murchison Ringer Fed 2 Rel							
Sample ID: MB-568	45 SampType: MBL	K	TestCode: E	PA Method	300.0: Anions			
Client ID: PBS	Batch ID: 5684	5	RunNo:	73830				
Prep Date: 12/7/2	020 Analysis Date: 12/	7/2020	SeqNo:	2604077	Units: mg/Kg	9		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5							
Sample ID: LCS-56	845 SampType: LCS		TestCode: E	PA Method	300.0: Anions			
Client ID: LCSS	Batch ID: 5684	5	RunNo:	73830				
Prep Date: 12/7/2	020 Analysis Date: 12/	7/2020	SeqNo:	2604078	Units: mg/Kg	9		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14 1.5	15.00	0 90.6	90	110			
Sample ID: MB-568	57 SampType: MBL	.K	TestCode: E	PA Method	300.0: Anions			
Client ID: PBS	Batch ID: 5685	57	RunNo:	73879				
Prep Date: 12/8/2	020 Analysis Date: 12/8	3/2020	SeqNo:	2605300	Units: mg/Kg	J		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5							
Sample ID: LCS-56	857 SampType: LCS		TestCode: E	PA Method	300.0: Anions	i		
Client ID: LCSS	Batch ID: 5685	57	RunNo:	73879				
Prep Date: 12/8/2	020 Analysis Date: 12/8	3/2020	SeqNo:	2605301	Units: mg/Kg	9		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14 1.5	15.00	0 90.8	90	110			
Sample ID: MB-568	79 SampType: mbl	(TestCode: E	PA Method	300.0: Anions	i		
Client ID: PBS	Batch ID: 5687	'9	RunNo:	73916				
Prep Date: 12/9/2	020 Analysis Date: 12/9	9/2020	SeqNo: 2	2606650	Units: mg/Kg	9		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5							
Sample ID: LCS-56	879 SampType: Ics		TestCode: E	PA Method	300.0: Anions			
Client ID: LCSS	Batch ID: 5687	'9	RunNo:	73916				
Prep Date: 12/9/2	020 Analysis Date: 12/9	9/2020	SeqNo:	2606651	Units: mg/Kg	J		
Analyte	Result PQL	SPK value SPK	Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14 1.5	15.00	0 91.8	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2012240

11-Dec-20

Client: R.T. Hick	ks Consultants,	, LTD							
Project: Murchiso	on Ringer Fed 2	2 Release							
Sample ID: MB-56808	SampType:	MBLK	Test	tCode: EPA	Method	8015M/D: Die	sel Range	• Organics	
Client ID: PBS	Batch ID:	56808	R	RunNo: 738	38				
Prep Date: 12/5/2020	Analysis Date:	12/7/2020	S	SeqNo: 2603	3180	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10		_	_				
Motor Oil Range Organics (MRO) Surr: DNOP	ND	50		107	30.4	154			
	11	10.00		107	30.4	154			
Sample ID: MB-56810	SampType:	MBLK	Test	tCode: EPA	Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID:	56810	R	RunNo: 738	38				
Prep Date: 12/5/2020	Analysis Date:	12/7/2020	S	SeqNo: 2603	3181	Units: %Rec			
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		108	30.4	154			
Sample ID: LCS-56808	SampType:	LCS	Test	tCode: EPA	Method	8015M/D: Die	sel Range	e Organics	
Client ID: LCSS	Batch ID:	56808	R	RunNo: 738 :	38				
Prep Date: 12/5/2020	Analysis Date:	12/7/2020	S	SeqNo: 2603	3182	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10 50.00	0	108	70	130			
Surr: DNOP	5.5	5.000		111	30.4	154			
Sample ID: LCS-56810	SampType:	LCS	Test	tCode: EPA	Method	8015M/D: Die	sel Range	e Organics	
Client ID: LCSS	Batch ID:	56810	R	RunNo: 738	38				
Prep Date: 12/5/2020	Analysis Date:	12/7/2020	S	SeqNo: 260 3	3183	Units: %Rec			
Analyte	Result PC								
			SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3	5.000	SPK Ref Val	%REC L 106	LowLimit 30.4	HighLimit 154	%RPD	RPDLimit	Qual
Surr: DNOP Sample ID: 2012240-001AMS		5.000		106	30.4				Qual
		5.000 : MS	Test	106	30.4 Method	154			Qual
Sample ID: 2012240-001AMS	SampType:	5.000 : MS 56808	Test	106 tCode: EPA	30.4 A Method 8	154	sel Range		Qual
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs	SampType: Batch ID: Analysis Date:	5.000 : MS 56808 12/7/2020	Test	106 tCode: EPA RunNo: 738 SeqNo: 260	30.4 A Method 8	154 8015M/D: Die	sel Range		Qual
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020	SampType: Batch ID: Analysis Date: Result PC	5.000 : MS 56808 12/7/2020	Test R S	106 tCode: EPA RunNo: 738 SeqNo: 260	30.4 A Method 8 338 33184	154 8015M/D: Die Units: mg/K	sel Range g	e Organics	
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020 Analyte	SampType: Batch ID: Analysis Date: Result PC	5.000 : MS 56808 12/7/2020 QL SPK value	Test R S SPK Ref Val	106 tCode: EPA RunNo: 738 SeqNo: 260 %REC L	30.4 A Method 8 38 3184 LowLimit	154 8015M/D: Die Units: mg/Kg HighLimit	sel Range g	e Organics	
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020 Analyte Diesel Range Organics (DRO)	SampType: Batch ID: Analysis Date: Result PC 94 9 4.6	5.000 MS 56808 12/7/2020 QL SPK value 9.3 46.60 4.660	Tesi R S SPK Ref Val 25.89	106 tCode: EPA RunNo: 738 : SeqNo: 260 : %REC L 145 98.0	30.4 A Method 8 38 3184 LowLimit 15 30.4	154 8015M/D: Die Units: mg/Kg HighLimit 184	sel Range g %RPD	e Organics RPDLimit	
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP	SampType: Batch ID: Analysis Date: Result PC 94 4.6	5.000 MS 56808 12/7/2020 QL SPK value 9.3 46.60 4.660 MSD	Tesi R S SPK Ref Val 25.89 Tesi	106 tCode: EPA RunNo: 738 : SeqNo: 260 : %REC L 145 98.0	30.4 A Method 3 38 3184 LowLimit 15 30.4 A Method 3	154 8015M/D: Die Units: mg/Kg HighLimit 184 154	sel Range g %RPD	e Organics RPDLimit	
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2012240-001AMSI	SampType: Batch ID: Analysis Date: Result PC 94 4.6 D SampType:	5.000 5.000 56808 12/7/2020 QL SPK value 9.3 46.60 4.660 56808	Tesi R SPK Ref Val 25.89 Tesi R	106 tCode: EPA RunNo: 738 : SeqNo: 260 : %REC L 145 98.0 tCode: EPA	30.4 38 3184 LowLimit 15 30.4 Method 3 38	154 8015M/D: Die Units: mg/Kg HighLimit 184 154	sel Range 9 %RPD sel Range	e Organics RPDLimit	
Sample ID: 2012240-001AMS Client ID: SB-3 @ 6-8' bgs Prep Date: 12/5/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2012240-001AMSI Client ID: SB-3 @ 6-8' bgs	SampType: Batch ID: Analysis Date: Result PC 94 4.6 D SampType: Batch ID: Analysis Date:	5.000 5.000 56808 12/7/2020 QL SPK value 9.3 46.60 4.660 56808	Tesi R S SPK Ref Val 25.89 Tesi R S	106 tCode: EPA RunNo: 738: SeqNo: 260: %REC L 145 98.0 tCode: EPA RunNo: 738: SeqNo: 260:	30.4 38 3184 LowLimit 15 30.4 Method 3 38	154 8015M/D: Die Units: mg/Kg HighLimit 184 154 8015M/D: Die	sel Range 9 %RPD sel Range	e Organics RPDLimit	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

.

2012240

11-Dec-20

Client: Project:	R.T. Hicks Murchison										
Sample ID: 201	12240-001AMSD	SampTy	/pe: M	SD	Tes	tCode: El	PA Method	8015M/D: Die:	sel Range	e Organics	
Client ID: SB	-3 @ 6-8' bgs	Batch	ID: 56	808	R	unNo: 7	3838				
Prep Date: 12	2/5/2020	Analysis Da	ate: 1	2/7/2020	S	eqNo: 2	603186	Units: mg/Kg	J		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.0		4.808		104	30.4	154	0	0	
Sample ID: LC	S-56809	SampTy	/pe: L(cs	Tes	tCode: El	PA Method	8015M/D: Die:	sel Range	e Organics	
Client ID: LC	SS	Batch	ID: 56	6809	R	tunNo: 7	3877				
Prep Date: 12	2/5/2020	Analysis Da	ate: 1	2/8/2020	S	eqNo: 2	605170	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.9		5.000		118	30.4	154			
Sample ID: MB	3-56809	SampTy	/pe: M	BLK	Tes	tCode: El	PA Method	8015M/D: Die:	sel Range	e Organics	
Client ID: PB	S	Batch	ID: 56	6809	R	tunNo: 7	3877				
Prep Date: 12	2/5/2020	Analysis Da	ate: 1	2/8/2020	S	eqNo: 2	605176	Units: %Rec			
•											
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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- P Sample pH Not In Range
- RL Reporting Limit

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11-Dec-20

Client: Project:		s Consulta n Ringer Fe	,								
Sample ID:	mb-56805	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: 56	805	F	RunNo: 7	3815				
Prep Date:	12/4/2020	Analysis Da	ate: 12	2/6/2020	S	SeqNo: 2	602155	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1000	5.0	1000		100	75.3	105			
Sample ID:	lcs-56805	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: 56	805	F	RunNo: 7	3815				
Prep Date:	12/4/2020	Analysis Da	ate: 12	2/5/2020	S	SeqNo: 2	602156	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	23	5.0	25.00	0	91.9	72.5	106			
Surr: BFB		1100		1000		112	75.3	105			S
Sample ID:	2012240-002AMS	SampTy	/pe: MS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SB-3 @ 12-14' bgs	Batch	ID: 56	805	F	RunNo: 7	3815				
Prep Date:	12/4/2020	Analysis Da	ate: 12	2/6/2020	S	SeqNo: 2	602159	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	240	25	24.75	170.6	280	61.3	114			S
Surr: BFB		15000		4950		293	75.3	105			S
Sample ID:	2012240-002AMS	SampTy	/pe: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SB-3 @ 12-14' bgs	Batch	ID: 56	805	F	RunNo: 7	3815				
Prep Date:	12/4/2020	Analysis Da	ate: 12	2/6/2020	S	SeqNo: 2	602160	Units: mg/h	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	190	25	24.88	170.6	72.5	61.3	114	23.9	20	R
Surr: BFB		13000		4975		255	75.3	105	0	0	S

Qualifiers:

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- RL Reporting Limit

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11-Dec-20

	cs Consult	ants, LT	D							
Project: Murchiso	n Ringer I	Fed 2 Re	elease							
Sample ID: mb-56805	Samo	Гуре: МВ		Too	tCodo: E	A Mothod	8021B: Volat	iloc		
Client ID: PBS	•	h ID: 568			unNo: 73			ines.		
Prep Date: 12/4/2020	Analysis E	Jate: 12			eqNo: 20	502207	Units: mg/K	ſġ		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10	1 000		101	00	100			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID: LCS-56805	SampT	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 568	305	F	tunNo: 7	3815				
Prep Date: 12/4/2020	Analysis E)ate: 12	/6/2020	S	eqNo: 26	602208	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			
Sample ID: 2012240-001AMS	SampT	Гуре: МS	;	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: SB-3 @ 6-8' bgs	Batc	h ID: 568	305	F	unNo: 73	3815				
Prep Date: 12/4/2020	Analysis E	Date: 12	/6/2020	S	eqNo: 26	602210	Units: mg/K	g		
Analyte	Result									
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	PQL 0.12	SPK value 0.9766	SPK Ref Val 0.06755	%REC 102	LowLimit 76.3	HighLimit 120	%RPD	RPDLimit	Qual
							-	%RPD	RPDLimit	Qual
Benzene Toluene	1.1	0.12	0.9766	0.06755	102	76.3	120	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene	1.1 1.2	0.12 0.24	0.9766 0.9766	0.06755 0.2051	102 103	76.3 78.5	120 120	%RPD	RPDLimit	Qual
Benzene Toluene Ethylbenzene	1.1 1.2 1.2	0.12 0.24 0.24	0.9766 0.9766 0.9766	0.06755 0.2051 0.2061	102 103 99.7	76.3 78.5 78.1	120 120 124	%RPD	RPDLimit	
Benzene Toluene Ethylbenzene Xylenes, Total	1.1 1.2 1.2 4.2 4.9	0.12 0.24 0.24	0.9766 0.9766 0.9766 2.930 4.883	0.06755 0.2051 0.2061 2.580	102 103 99.7 56.5 101	76.3 78.5 78.1 79.3 80	120 120 124 125		RPDLimit	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	1.1 1.2 1.2 4.2 4.9 D Samp ¹	0.12 0.24 0.24 0.49	0.9766 0.9766 0.9766 2.930 4.883	0.06755 0.2051 0.2061 2.580 Tes	102 103 99.7 56.5 101	76.3 78.5 78.1 79.3 80 PA Method	120 120 124 125 120		RPDLimit	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSI	1.1 1.2 1.2 4.2 4.9 D Samp ¹	0.12 0.24 0.24 0.49 Type: MS	0.9766 0.9766 2.930 4.883	0.06755 0.2051 0.2061 2.580 Tes	102 103 99.7 56.5 101	76.3 78.5 78.1 79.3 80 PA Method 3815	120 120 124 125 120	iles	RPDLimit	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSI Client ID: SB-3 @ 6-8' bgs	1.1 1.2 1.2 4.2 4.9 D SampT Batcl	0.12 0.24 0.24 0.49 Type: MS	0.9766 0.9766 2.930 4.883 305 305	0.06755 0.2051 0.2061 2.580 Tes	102 103 99.7 56.5 101 tCode: EF	76.3 78.5 78.1 79.3 80 PA Method 3815	120 120 124 125 120 8021B: Volat	iles	RPDLimit	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSE Client ID: SB-3 @ 6-8' bgs Prep Date: 12/4/2020	1.1 1.2 1.2 4.2 4.9 D SampT Batcl Analysis [0.12 0.24 0.24 0.49 Type: MS h ID: 568 Date: 12	0.9766 0.9766 2.930 4.883 305 305	0.06755 0.2051 0.2061 2.580 Tes F	102 103 99.7 56.5 101 tCode: EF RunNo: 7: SeqNo: 26	76.3 78.5 78.1 79.3 80 PA Method 3815 502211	120 120 124 125 120 8021B: Volat	tiles Sg		S
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSI Client ID: SB-3 @ 6-8' bgs Prep Date: 12/4/2020 Analyte	1.1 1.2 1.2 4.2 4.9 D SampT Batcl Analysis E Result	0.12 0.24 0.24 0.49 Type: MS h ID: 568 Date: 12 PQL	0.9766 0.9766 2.930 4.883 5D 305 //6/2020 SPK value	0.06755 0.2051 0.2061 2.580 Tes F SPK Ref Val	102 103 99.7 56.5 101 tCode: EF RunNo: 73 SeqNo: 26 %REC	76.3 78.5 78.1 79.3 80 PA Method 3815 502211 LowLimit	120 120 124 125 120 8021B: Volat Units: mg/K HighLimit	iiles Sg %RPD	RPDLimit	S
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSI Client ID: SB-3 @ 6-8' bgs Prep Date: 12/4/2020 Analyte Benzene	1.1 1.2 1.2 4.2 4.9 D SampT Batcl Analysis [Result 1.0	0.12 0.24 0.24 0.49 Fype: MS h ID: 568 Date: 12 PQL 0.12	0.9766 0.9766 2.930 4.883 5D 305 /6/2020 SPK value 0.9804	0.06755 0.2051 0.2061 2.580 Tes F SPK Ref Val 0.06755	102 103 99.7 56.5 101 tCode: EF cunNo: 7: SeqNo: 26 %REC 96.8	76.3 78.5 78.1 79.3 80 PA Method 3815 502211 LowLimit 76.3	120 120 124 125 120 8021B: Volat Units: mg/K HighLimit 120	iiles G %RPD 4.18	RPDLimit 20	S
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2012240-001AMSI Client ID: SB-3 @ 6-8' bgs Prep Date: 12/4/2020 Analyte Benzene Toluene	1.1 1.2 1.2 4.2 4.9 D SampT Batcl Analysis I Result 1.0 1.2	0.12 0.24 0.24 0.49 Type: MS h ID: 568 Date: 12 <u>PQL</u> 0.12 0.25	0.9766 0.9766 2.930 4.883 5D 305 5/6/2020 SPK value 0.9804 0.9804	0.06755 0.2051 0.2061 2.580 Tes F SPK Ref Val 0.06755 0.2051	102 103 99.7 56.5 101 tCode: EF cunNo: 7: SeqNo: 26 %REC 96.8 99.1	76.3 78.5 78.1 79.3 80 PA Method 8815 502211 LowLimit 76.3 78.5	120 120 124 125 120 8021B: Volat Units: mg/K HighLimit 120 120	Sg %RPD 4.18 3.13	RPDLimit 20 20	S

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- P Sample pH Not In Range
- RL Reporting Limit

2012240

11-Dec-20

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ANAL	ONMENT		TE	ll Environmen 2 L: 505-345-39 ebsite: clients	490 Albuquerg 975 FAX:	01 Hawkins nue, NM 87 505-345-4	s NE 7109 San 4107	nple Log-In C	Pag Check List
Client Name:	R.T. Hicks LTD	Consultants	, Work	Order Numb	oer: 201	2240		RcptNo	: 1
Received By:	Sean Livi	ngston	12/4/20	20 8:00:00 A	M		5-6	not	
Completed By:	Emily Mo	cho	12/4/20	20 8:58:40 A	M			b	
Reviewed By:	SGL	2/4/23	>						
Chain of Cus	<u>tody</u>								
1. Is Chain of Cu	ustody comp	lete?			Yes	\checkmark	No 🗌	Not Present	
2. How was the	sample deliv	vered?			Cou	rier			
Log In									
3. Was an attem	pt made to o	cool the samp	oles?		Yes		No 🗌	NA 🗌	
4. Were all samp	oles received	l at a tempera	ature of >0° C	to 6.0°C	Yes	~	No 🗌		
5. Sample(s) in p	proper conta	iner(s)?			Yes		No 🗆		
6. Sufficient sam	ple volume f	or indicated t	est(s)?		Yes		No 🗌		
7. Are samples (except VOA	and ONG) pr	operly preserve	ed?	Yes	~	No 🗌		
8. Was preservat	tive added to	bottles?			Yes		No 🗹	NA 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🔽	70
10. Were any sam	nple containe	ers received I	oroken?		Yes		No 🗹	# of preserved	<u> </u>
11. Does paperwo (Note discrepa			()		Yes		No 🗌	bottles checked for pH: (<2 o	12/9/C
12. Are matrices c					Yes		No 🗌	Adjusted?	
13. Is it clear what	analyses we	ere requested	1?		Yes	~	No 🗌		<hr/>
14. Were all holdin (If no, notify cu)		Yes	\checkmark	No 🗌	Checked by:	~
Special Handli									
15. Was client not	tified of all di	iscrepancies	with this order?		Yes		No 🗌	NA 🗹	
Person	Notified:			Date:	-				
By Who	m:	[Via:	🗌 eM	ail 🗌 Pl	hone 🗌 Fax	In Person	
Regardi	ng:								
Client In	structions:	1							
16. Additional rer	narks:								
17. Cooler Inform	mation								
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signed By		
1 2	0.1	Good	Yes						
3	0.2 1.5	Good Good	Yes						
9	1.0	0000	103						

Page 1 of 1

Page																Air Bubbles	<u>ب</u>		:43 1				. 41.		d by (-	
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			nsult.				-	-	-					-		OV) 80928	_				-	lest	505-345-4107	e, NM	www.hallenvironmental.com	AB	C
			cksco		-											oitea9 1808	əpic	08 / S	9 28	CB	S	Request		lerqu	ment		
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		J	istin		_	_		_	_	_						AN9) 0158 M 8 A929	_					Ana	2		allen		
S	0.2°C	0.10	to ki		-	-	-	-	-	-	-		-	-	_	EDB (Metho		2010-202			-		5-397	IS NE	h.ww		HALL
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H	1-0.2	m	Remarks:													тм + хэта	_		_		5.000		F	49			1
-	0.4	0	Re	Х	Д	Х	X	X	X	X	X	Х	\triangle	Х	X	BTEX + M1	185 	<u>\</u> 1	- s' 8	208)	(+7			-		1	_
CO:8 02/1/21	Date Time	12/3/20 1130	Date Time	012	110	010	009	000	200	000	005	Pod	003	200	001	HEAL No. 2012240	ee remertes	ON D						Release		1	an
country 12	20	win			/	/		_			/	/	/		ice	Preservativ e Type	V	Kristin Pope	Kristin Pope		ager:			Murchison-Ringer Fed #2 Release	e:		5 Daw
SGL 60	Received by:	Ulumman	Received by:	/	_	/					\sim		\frown	\checkmark	1 glass	Container Type and #	Sample Temperature:	Sampler: On Ice:	-		Project Manager:		Project #:	Murchison-R	Project Name:	X Standard	
1900 allementing Sec cours 12/4/20 8:00 1.7-0.2=1.5%	d by:	tin Pape		5B-40 6-8 bas	08	58-2@12.54 has	5B-206-8'695	5B-1 @ 12-14 has	5B-109-10 405	5B-1 @ 6-8 bas	58-3049' bas	58-30 34 bas	58-30 24-29' has	5B-3@12-14 bas	58-30 6-8 bas	Sample Request ID			Level 4 (Full Validation)		R@rthicksconsult.com	3-5004	Albuquerque, NM 87104	42	901 Rio Grande Blvd NW	ultants	UIIaIII-UI-UNOUUN VELOI U
aleun	Relinquished by:	Knis	Relinquished by:		(/		-	/	(~			~	soil	Matrix		□ Other			R@rthicl	(505) 266-5004	Albuque	Suite F-142		R. T. Hicks Consultants	OT-CU
006	Time:	1130	Time:	1346	1251	1138	4111	1027	1012	0954	1638	1531	1456	1405	1322	Time	(Type)	ation: P	lard	ackage:	Fax#:			Address	1	R. T. H	-UIPU
143/20	Date:	12/3/20	Date:	/	1		1		1	12-1-20		/	/	1	11-30-20	Date		Accreditation:	X Standard	QA/QC Package:	email or Fax#	:# enone #:		Mailing Address:	d to I	Client:	

e 82 of 228

P. D.T. Uicke Constituents			5 Day	1		HAI		LNN	Ca	FNVTRONMENT	
K. I. HICKS CONSUITANTS	X Standard	C Rush	e		L	ANA		U.L.		ANALYSTS LABORATOR	1
901 Rio Grande Blvd NW	Project Name:	e:				WWW	www.hallenvironmental.com	/ironm	ental o		
Suite F-142	Murchison-R	Murchison-Ringer Fed #2 Release	Release	46	4901 Hawkins NE	kins N		auduer	aue N	Albuquerque NM 87109	
Albuquerque, NM 87104	Project #:				Tel. 505-	505-345-3975		Fax 5	505-345-4107	-4107	
(505) 266-5004							Inal		Request		
R@rthicksconsult.com	Project Manager:	ager:		-	-		_			-	
□ Level 4 (Full Validation)		Kristin Pope			eid\ss5			1	59047		7:01:23
	Sampler:	Kristin Pope			D) 8	(1	()		7000		()
Other	On Ice:	⊠ Yes	ON 🗆	-	910	·Þ0			0/9	(A	A 10
	Sample Temperature: Sec	perature: 👟	e mourtes	-	98 R	g p			_	οΛ	р Д)
Matrix Sample Request ID		Preservativ e Type	17	і ТМ + ХЭТ8 М + ХЭТ8	TPH (Methoc	EDB (Metho) AN9) 0168 9018 8 Me	D)+) enoinA	8081 Pestici AOV) 80828	-im92) 0728	Air Bubbles (
soil 58-40 16-18' be	bas 1 glass	ice	013	X	X			_			
" SB-40 24 bas	łe	11	Drd	\mathbf{X}	X			X			
Relinquished by: Ministin Pene	Received by:		Date Time 12/5/20 1130	Remarks:	1	Email to k	ristin@	rthicks	consul	Email to kristin@rthicksconsult.com, R@, = 0.*c	-
ph: h	Received by: SaL cou	Counter 12		0-1-0	0=2.	2°5.					



December 11, 2020

Kristin Pope R.T. Hicks Consultants, LTD 901 Rio Grande Blvd. NW Suite F-142 Albuquerque, NM 87104 TEL: (505) 266-5004 FAX: (505) 266-0745

RE: Murchison Ringer Fed 2 Release

OrderNo.: 2012239

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kristin Pope:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/4/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Er	nvironmental Analysis	Laboratory, Inc.				Analytical Report Lab Order 2012239 Date Reported: 12/11/	2020
CLIENT:	R.T. Hicks Consultants, LTD		Clie	nt Sample II	D: 12	'N @ 0-2'BGS	
Project:	Murchison Ringer Fed 2 Release		Co	llection Dat	e: 12/	/1/2020 7:30:00 AM	
Lab ID:	2012239-001	Matrix: SOIL	R	eceived Dat	e: 12/	/4/2020 8:00:00 AM	
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	st: VP
Chloride		4900	150	mg/Kg	50	12/8/2020 11:45:02 Pl	M 56845

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Hall Er	vironmental Analysis				Analytical Report Lab Order 2012239 Date Reported: 12/11/	2020			
CLIENT:	R.T. Hicks Consultants, LTD		Client	t Sample II	D: 12'	N @ 2-4' BGS			
Project:	Murchison Ringer Fed 2 Release		Collection Date: 12/1/2020 7:41:00 AM						
Lab ID:	2012239-002	Matrix: SOIL	Re	ceived Dat	e: 12/	4/2020 8:00:00 AM			
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	st: VP		
Chloride		1700	59	mg/Kg	20	12/7/2020 10:52:42 Pl	M 56845		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

Hall Er	vironmental Analysis				Analytical Report Lab Order 2012239 Date Reported: 12/11/	2020	
CLIENT:	R.T. Hicks Consultants, LTD		Clie	nt Sample II	D: 12	' N @ 4' BGS	
Project:	Murchison Ringer Fed 2 Release		Co				
Lab ID:	2012239-003	Matrix: SOIL	R	eceived Date	e: 12	/4/2020 8:00:00 AM	
Analyses		Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	st: VP
Chloride		2700	150	mg/Kg	50	12/8/2020 11:57:27 Pl	M 56845

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Holl Fr	nvironmental Analysis 1	aboratory Inc				Analytical Report Lab Order 2012239			
	Ivii oliillentai Allaiysis	Laboratory, Inc.	,			Date Reported: 12/11/	2020		
CLIENT:	R.T. Hicks Consultants, LTD		Client S	Sample II	D: 12	' N @ 10' BGS			
Project:	Murchison Ringer Fed 2 Release		Collection Date: 12/1/2020 8:24:00 AM						
Lab ID:	2012239-004	Matrix: SOIL	Rece	ived Dat	e:12	/4/2020 8:00:00 AM			
Analyses		Result	RL Qua	l Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	st: VP		
Chloride		76	59	mg/Kg	20	12/7/2020 11:42:19 Pl	M 56845		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

	² . Hicks Consultan rchison Ringer Fe	/								
Sample ID: MB-56845	SampTy	pe: MB	LK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PBS	345	R	RunNo: 73	8830						
Prep Date: 12/7/2020	Analysis Da	te: 12	/7/2020	S	SeqNo: 26	604077	Units: mg/K	g		
Analyte Chloride	Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-56845	SampTy	pe: LC	s	Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID: LCSS	Batch I	D: 568	345	R	RunNo: 73	8830				
Prep Date: 12/7/2020	Analysis Da	/7/2020	S	SeqNo: 26	604078	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2012239

11-Dec-20

WO#:

Released to Imaging: 2/3/2025 2:11:50 PM

Page	90 a	of 228

ANAL	ONMENT		TEL	Environmen ; ; 505-345-39 :bsite: clients	490 Albuquerg 975 FAX:	1 Hawkins N ue. NM 8710 505-345-410	^{VE} 09 San 07	Sample Log-In Check List				
Client Name:	R.T. Hicks LTD	Consultants,	Work	Order Numb	ber: 201:	2239		RcptNo: 1				
Received By:	Sean Livi	ngston	12/4/202	20 8:00:00 4	AM		S-L	not				
Completed By:	Emily Mo	cho	12/4/202	0 8:52:48 /	M			0				
Reviewed By:	JE		12/04	20								
Chain of Cus	<u>tody</u>											
1. Is Chain of Cu	ustody comp	lete?			Yes		No 🗌	Not Present				
2. How was the	sample deliv	ered?			Cou	rier						
Log In						2						
3. Was an attem	pt made to c	cool the samp	les?		Yes	\checkmark	No 🗌					
4. Were all samp	oles received	at a tempera	ture of >0° C t	o 6.0°C	Yes		No 🗌					
5. Sample(s) in p	proper conta	iner(s)?			Yes		No 🗌					
6. Sufficient sam	ple volume f	or indicated te	est(s)?		Yes		No 🗌					
7. Are samples (except VOA	and ONG) pro	operly preserve	d?	Yes		No 🗌					
8. Was preservat	tive added to	bottles?			Yes		No 🗸	NA 🗌				
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🗹				
10. Were any san	nple containe	ers received b	roken?		Yes		No 🗹	# of preserved bottles checked				
11. Does paperwo (Note discrepa)		Yes		No 🗌	for pH: (<2 or >12 unless note				
12. Are matrices o					Yes		No 🗌	Adjusted?				
13. Is it clear what	t analyses we	ere requested	?		Yes		No 🗌	/				
14. Were all holdir (If no, notify cu					Yes	\checkmark	No 🗌	Checked by: SQL 12/4/2				
Special Handl	ing (if app	olicable)										
15. Was client no	tified of all d	screpancies	with this order?		Yes		No 🗌	NA 🗹				
Person	Notified:			Date:	1							
By Who	om:	1		Via:	eM	ail 🗌 Pho	one 🗌 Fax	In Person				
Regardi	ing:											
	nstructions:											
16. Additional rer												
17. <u>Cooler Infor</u>	and the second	Orendities	Oralling	0	o							
Cooler No 1	Temp °C 0.1	Condition Good	Seal Intact Yes	Seal No	Seal D	ate S	igned By					
2	0.2	Good	Yes									
3	1.5	Good	Yes									

Page 1 of 1

	TAL						/.01			1 10) (səlddu8 niA													1 4	
		www hallenvironmental com	4901 Hawkins NE - Albuquerone, NM 87109	10	Analysis	Pee Pest (Inc	9iD\ 9i∆ 2,₄€	2345 2345	H97 (1) (1) (1) (1)	23' 2 23' 23' 23' 23' 23' 23' 23' 23' 23' 23	1) 1) 10 10 10 10 10 10 10 10 10 10 10 10 10	TM + XЭТ8 TPH Method TPH (Method EDB (Method EDB (Method EDB (Method 8081 Pestic FOD (YOA 8081 Pestic 8081 Pestic 8081 Pestic	X										Remarks: Email to kristin@rthicksconsult.com, R@	2.0.2 = 0.1°C	2.0-	111
	-					(1	208)	TME	. +	38.	ETEX + MT						_	-		_	-		0 03	Time 0.4 8:30 1.7	
5 Day	2		Murchison-Ringer Fed #2 Release					Pope	Pope	s DNo	e: see remeries		00(002	003	600				_			Date Time	-	Date Time	
d Time:	q		Ringer F			lager:		Kristin Pope	Kriștin Pope	☑ Yes	nperatur	L L	ice										•	CIMM		
Turn-Around Time:	X Standard	Project Name:	Murchison-F	Project #:		Project Manager:			Sampler:	On Ice:	Sample Temperature:	Container Type and #	1 glass	\sim	-	_	-						Received by:	VUUMMANA	Slat 00:)
Chain-of-Custody Record	Itants	901 Rio Grande Blvd NW		Albuquerque, NM 87104	-5004	R@rthicksconsult.com		Level 4 (Full Validation)				Sample Request ID	12'N @ 0-2, 865	1	12. N. @ 4' B65	12'N @ 10' BES							(10,00	Cer	anna -
of-Cus	R. T. Hicks Consultants	901 Rio G	Suite F-142	Albuquero	(505) 266-5004	Ronthick				□ Other		Matrix	soil	$\langle \rangle$					1				Relinquished by:	Anistin	GUL IN MILLING	WAAAAA
hain-c	R. T. Hic		1.1.1	,				ard			Type)	Time	0730 S	1410	0754	4280							Time: Re		1900 1	>
	Client:	ed to	Mailing Address:	rino	Phone #:	email or Fax#:	QA/QC Package:	X Standard	Accreditation:		□ EDD (Type)	Date	12-120	(T			Date: 1		12/3/20	1

Received by OCD: 2/3/2025 7:01:23 AM

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November 03, 2020

KRISTIN POPE R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE, NM 87104

RE: RINGER FED #2 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/20 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	11/03/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 1 @ 0-2' (H002799-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/29/2020	ND	416	104	400	3.77	

Sample ID: SP 1 @ 2-4' (H002799-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/29/2020	ND	416	104	400	3.77	

Sample ID: SP 2 @ 0-2' (H002799-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/29/2020	ND	432	108	400	3.77	QM-07

Sample ID: SP 2 @ 2-4' (H002799-04)

Chloride, SM4500Cl-B	Cl-B mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	10/29/2020	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	11/03/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 3 @ 0-2' (H002799-05)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/29/2020	ND	432	108	400	3.77	

Sample ID: SP 3 @ 2-4' (H002799-06)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	10/29/2020	ND	432	108	400	3.77	

Sample ID: SP 4 @ 0-2' (H002799-07)

Chloride, SM4500Cl-B	B mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	10/29/2020	ND	432	108	400	3.77	

Sample ID: SP 4 @ 2-4' (H002799-08)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/29/2020	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

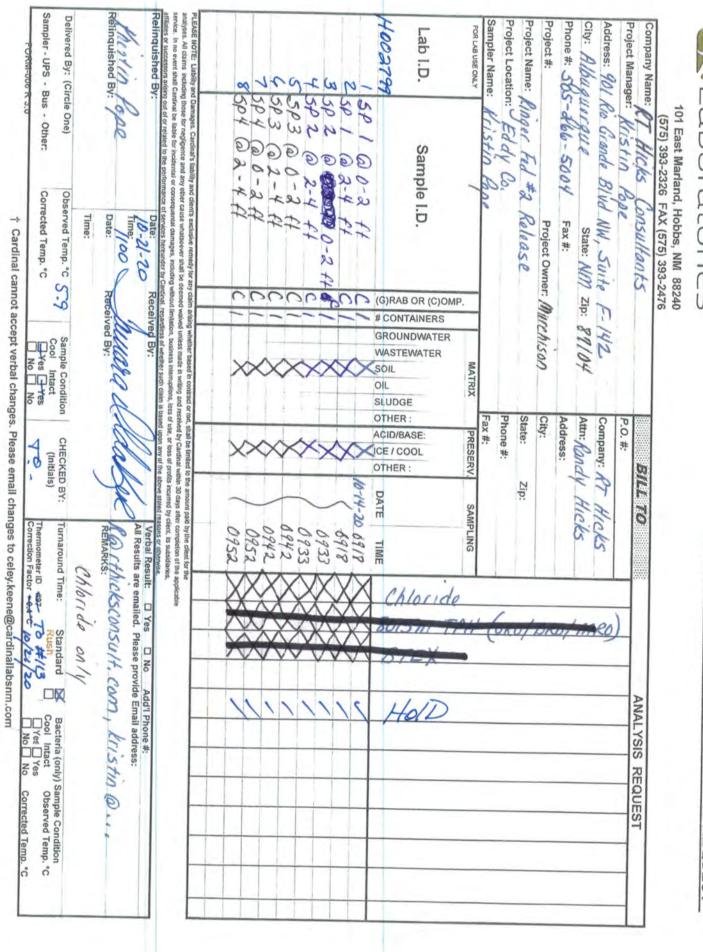
Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST





October 21, 2020

KRISTIN POPE R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE, NM 87104

RE: RINGER FED #2 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/16/20 12:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 1 @ 0-4' (H002759-01)

BTEX 8021B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	3.35	2.50	10/19/2020	ND	1.80	89.9	2.00	14.3	
Toluene*	76.2	5.00	10/19/2020	ND	1.84	92.2	2.00	14.1	
Ethylbenzene*	35.3	5.00	10/19/2020	ND	1.78	88.9	2.00	15.1	
Total Xylenes*	639	15.0	10/19/2020	ND	5.14	85.7	6.00	15.6	
Total BTEX	754	27.5	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	464	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	8260	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	5720	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	411 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 1 @ 4.25' (H002759-02)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.92	2.50	10/19/2020	ND	1.80	89.9	2.00	14.3	
Toluene*	124	5.00	10/19/2020	ND	1.84	92.2	2.00	14.1	
Ethylbenzene*	47.6	5.00	10/19/2020	ND	1.78	88.9	2.00	15.1	
Total Xylenes*	879	15.0	10/19/2020	ND	5.14	85.7	6.00	15.6	
Total BTEX	1050	27.5	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14000	100	10/19/2020	ND	214	107	200	1.02	
DRO >C10-C28*	8070	100	10/19/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<100	100	10/19/2020	ND					
Surrogate: 1-Chlorooctane	365	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 2 @ 0-4' (H002759-03)

BTEX 8021B	mg	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	2.83	2.50	10/19/2020	ND	1.80	89.9	2.00	14.3	
Toluene*	83.2	5.00	10/19/2020	ND	1.84	92.2	2.00	14.1	
Ethylbenzene*	40.3	5.00	10/19/2020	ND	1.78	88.9	2.00	15.1	
Total Xylenes*	784	15.0	10/19/2020	ND	5.14	85.7	6.00	15.6	
Total BTEX	910	27.5	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	9170	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	6630	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	439	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 2 @ 4.25' (H002759-04)

BTEX 8021B	mg	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.46	1.00	10/19/2020	ND	1.80	89.9	2.00	14.3	
Toluene*	52.7	1.00	10/19/2020	ND	1.84	92.2	2.00	14.1	
Ethylbenzene*	21.8	1.00	10/19/2020	ND	1.78	88.9	2.00	15.1	
Total Xylenes*	399	3.00	10/19/2020	ND	5.14	85.7	6.00	15.6	
Total BTEX	475	6.00	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	161	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8280	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	5470	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	392	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.2	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 3 @ 0-4' (H002759-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	0.075	0.050	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	2.48	0.150	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	2.56	0.300	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	73.9	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	167	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.5	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 3 @ 4.25' (H002759-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	0.103	0.050	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	0.063	0.050	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	0.867	0.150	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	1.03	0.300	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	14.0	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.1	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 4 @ 0-4' (H002759-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.50	2.50	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	58.7	5.00	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	31.3	5.00	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	560	15.0	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	650	27.5	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7560	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	6340	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	12.2	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	402	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 4 @ 4.25' (H002759-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.50	2.50	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	103	5.00	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	46.7	5.00	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	818	15.0	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	968	27.5	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	9790	10.0	10/16/2020	ND	214	107	200	1.02	
DRO >C10-C28*	6880	10.0	10/16/2020	ND	206	103	200	0.404	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					
Surrogate: 1-Chlorooctane	456	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.9	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: BG @ 0-4' (H002759-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	<0.050	0.050	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	<0.150	0.150	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	<0.300	0.300	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2020	ND	222	111	200	2.73	
DRO >C10-C28*	<10.0	10.0	10/19/2020	ND	212	106	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	10/19/2020	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.9	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/16/2020	Sampling Date:	10/14/2020
Reported:	10/21/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: BG @ 4.25' (H002759-10)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2020	ND	2.06	103	2.00	3.71	
Toluene*	0.139	0.050	10/19/2020	ND	2.10	105	2.00	3.84	
Ethylbenzene*	<0.050	0.050	10/19/2020	ND	2.12	106	2.00	4.18	
Total Xylenes*	0.435	0.150	10/19/2020	ND	6.13	102	6.00	4.09	
Total BTEX	0.574	0.300	10/19/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	10/19/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2020	ND	222	111	200	2.73	
DRO >C10-C28*	<10.0	10.0	10/19/2020	ND	212	106	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	10/19/2020	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 2/3/2025 7:01:23 AM

101 East Marland (575) 393-2326	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476						
Company Name: RT Hicks			BILL TO		ANALYSIS	SIS REQUEST	
Project Manager: Kristin	Pope	P.O.	. #:		ソ		
	Blud NW, Suite F- 142	Соп	Company: RT HIC	ks	RO		
Marque			Attn: Randy Hicks				
e#: 585-4	Fax #:	Add	Address:				
Project #:	Project Owner: Muchison	on City:	a		DA		
Project Name: Ringer Fed #	2 Rolease	State:	te: Zip:	-			
Project Location: Eddy Co		Phone	one #:		GR		
Sampler Name: Kristin K	200	Fax #:	#:		<u>(</u>		
FOR LAB USE ONLY		MATRIX F	ESERV.	SAMPLING			
7	# CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: CICE / COOL OTHER : DATE	TIME Chloride	8015M TH BTEX		
1 501 2 1-4		X	X	X 8160 0			
2501 @ 4.2	1 B H 2	\sim	~	0926 XX			-
4-0 0 EdS C	et c l			CC 40			
5 502 0 1-4	1 0 1	×	× (1942	X		
6 593 @ 4.2	1 3 4 5	\times	X	XX 2460			
7 504 0 0-4	et cl	~	~ /	0952 XX			
8 SP4 Q 4.2	1 9 15		× /	0153 XX	X		
10 BG @ 4.25	54 61	\Diamond	1 X	in 21	\widehat{X}		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's e analyses. All claims including those for negligence and any other cause service. In no event shall Cardinal be liable for incidental or consequent.	client's exclusive rem ler cause whatsoever isequental damages.	whether based in contract or tort, - unless made in writing and receive in, business interruptions, loss of u	edy for any claim arising whether based in contract or ion, shall be limited to the amount paid by the client for the shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the s including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	int paid by the client for the ys after completion of the applicable of by client, its subsidiaries,			
Relinquished By:	Date: 10-14-20 Received By:	Without Such Claim is based		All Results are email	Yes No Add'I Phone #: emailed. Please provide Email address:	ne #: address:	
Refinquished By:	Time: 25 JUL	yora d	John March	REMARKS:	ksconsult, com,	Kristin Q	
	Time:						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.S	Sample Condition Cool Intact	CHECKED BY:	Turnaround Time: Thermometer ID #97	Rush Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes	tion mp. °C

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October 26, 2020

KRISTIN POPE R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE, NM 87104

RE: RINGER FED #2 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/20 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	10/26/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 1 @ 4.5' (H002798-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/24/2020	ND	2.15	107	2.00	0.260	
Toluene*	2.92	0.200	10/24/2020	ND	2.07	104	2.00	0.197	GC-NC1
Ethylbenzene*	<0.200	0.200	10/24/2020	ND	2.02	101	2.00	0.601	
Total Xylenes*	26.3	0.600	10/24/2020	ND	5.78	96.3	6.00	0.316	GC-NC1
Total BTEX	29.2	1.20	10/24/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	200	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/23/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1250	10.0	10/23/2020	ND	217	108	200	1.10	
DRO >C10-C28*	3340	10.0	10/23/2020	ND	210	105	200	0.261	
EXT DRO >C28-C36	<10.0	10.0	10/23/2020	ND					
Surrogate: 1-Chlorooctane	145	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	10/26/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 2 @ 4.5' (H002798-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/24/2020	ND	2.15	107	2.00	0.260	
Toluene*	0.590	0.200	10/24/2020	ND	2.07	104	2.00	0.197	GC-NC1
Ethylbenzene*	<0.200	0.200	10/24/2020	ND	2.02	101	2.00	0.601	
Total Xylenes*	10.8	0.600	10/24/2020	ND	5.78	96.3	6.00	0.316	GC-NC1
Total BTEX	11.4	1.20	10/24/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	146	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	10/23/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	401	10.0	10/23/2020	ND	217	108	200	1.10	
DRO >C10-C28*	1430	10.0	10/23/2020	ND	210	105	200	0.261	
EXT DRO >C28-C36	<10.0	10.0	10/23/2020	ND					
Surrogate: 1-Chlorooctane	110	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	10/26/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 3 @ 4.5' (H002798-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2020	ND	2.15	107	2.00	0.260	
Toluene*	<0.050	0.050	10/24/2020	ND	2.07	104	2.00	0.197	
Ethylbenzene*	<0.050	0.050	10/24/2020	ND	2.02	101	2.00	0.601	
Total Xylenes*	<0.150	0.150	10/24/2020	ND	5.78	96.3	6.00	0.316	
Total BTEX	<0.300	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/23/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2020	ND	217	108	200	1.10	
DRO >C10-C28*	<10.0	10.0	10/23/2020	ND	210	105	200	0.261	
EXT DRO >C28-C36	<10.0	10.0	10/23/2020	ND					
Surrogate: 1-Chlorooctane	76.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



R T HICKS CONSULTANTS KRISTIN POPE 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received:	10/21/2020	Sampling Date:	10/14/2020
Reported:	10/26/2020	Sampling Type:	Soil
Project Name:	RINGER FED #2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MURCHISON- EDDY CO.		

Sample ID: SP 4 @ 4.5' (H002798-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/24/2020	ND	2.15	107	2.00	0.260	
Toluene*	2.70	0.200	10/24/2020	ND	2.07	104	2.00	0.197	GC-NC1
Ethylbenzene*	<0.200	0.200	10/24/2020	ND	2.02	101	2.00	0.601	
Total Xylenes*	23.8	0.600	10/24/2020	ND	5.78	96.3	6.00	0.316	GC-NC1
Total BTEX	26.5	1.20	10/24/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	200 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	10/23/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1100	10.0	10/23/2020	ND	217	108	200	1.10	
DRO >C10-C28*	3370	10.0	10/23/2020	ND	210	105	200	0.261	
EXT DRO >C28-C36	<10.0	10.0	10/23/2020	ND					
Surrogate: 1-Chlorooctane	134 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.7	% 42.2-15	6						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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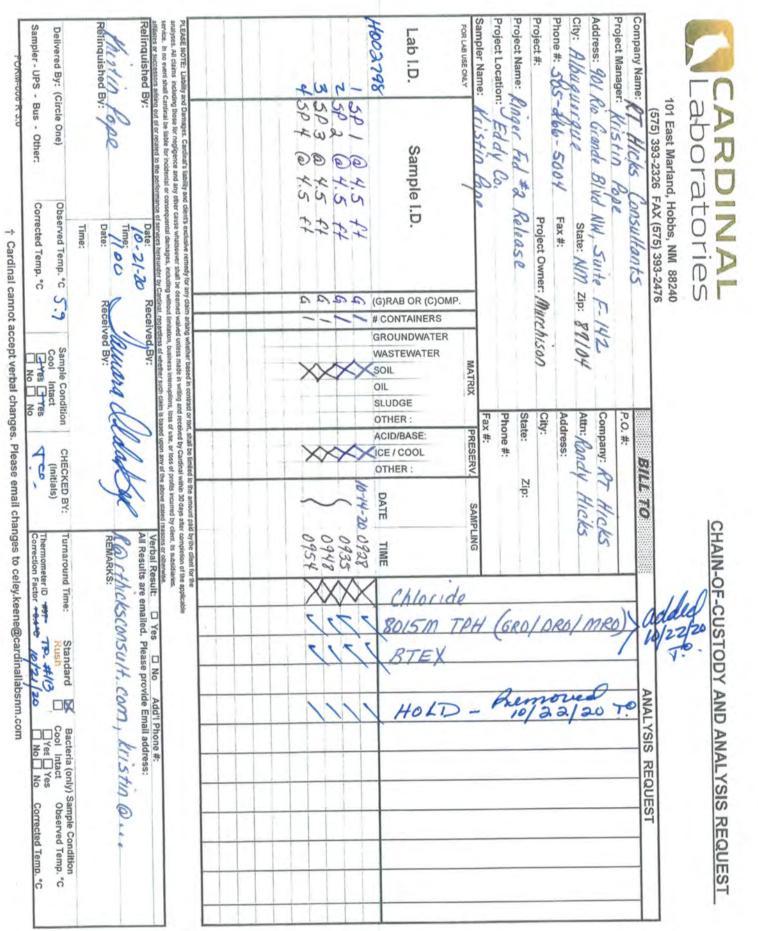
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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 2/3/2025 7:01:23 AM



Page 7 of 7



June 13, 2024

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 06/07/24 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 1 - SURF (H243274-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	66.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 1 - 1' (H243274-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	63.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 2 - SURF (H243274-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	67.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 2 - 1' (H243274-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 3 - SURF (H243274-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 3 - 1' (H243274-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 4 - SURF (H243274-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: HZ 4 - 1' (H243274-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 1 - SURF (H243274-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3960	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	5560	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	75.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 2 - SURF (H243274-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	215	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 2 - 10' (H243274-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	78.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 3 - SURF (H243274-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	90.7	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/07/2024	Sampling Date:	06/05/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 3 - 1' (H243274-14)

BTEX 8021B	B mg/kg Analyzed By: JH						S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.97	98.5	2.00	1.06	
Toluene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	1.02	GC-NC
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.96	97.8	2.00	0.450	GC-NC
Total Xylenes*	5.59	0.150	06/11/2024	ND	5.76	96.1	6.00	0.774	GC-NC1
Total BTEX	5.59	0.300	06/11/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	635	% 71.5-13	4						
Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/11/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	394	10.0	06/11/2024	ND	195	97.7	200	2.41	
DRO >C10-C28*	568	10.0	06/11/2024	ND	217	109	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Page 132 of 228

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished B Sampler - UPS - Bus - Other: Relinquished By: PLEASE NOTE: Liability and Di Sampler Name: Delivered By: (Circle One) Project Location: Project Name: Phone #: Project #: City: Project Manager: Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 alyses. All claims including those Address: FOR LAB USE ONLY Company Name: ce. In no event shall Lab I.D. Lovington UU 575 393-3386 4024 Plains Hwy HZ4-1' HZ3-1' HZ4-Surf HZ3-Surf HZ2-1' HZ2-Surf HZ1-1' Ringer Federal #2 HZ1 -Surf 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 UL/ G Sec 4 T25S - R26E Jerry Heidelberg Daniel Dominguez Hungry Horse LLC Sample I.D and any other Project Owner: Fax #: State: Time 325 Date ... Time: Date: 0 NM 00 Received By Received By G G G G G G 9 9 (G)RAB OR (C)OMP Murchison Oil & Gas Zip: -# CONTAINERS -------Cool The Yes GROUNDWATER 88260 Sample Condition WASTEWATER × × × × × × MATRIX × SOIL \times CIL SLUDGE OTHER State: Fax #: P.O. #: Phone #: 575 706-0667 City: Attn: Address: 5325 Sierra Vista Company d by C ACID/BASE PRESERV 0 CHECKED BY: Greg Boans NM × × × × × × × ICE / COOL (Initials) Carlsbad athin 30 days after OTHER BILL Zip: 88230 6/5/24 6/5/24 6/5/24 6/5/24 6/5/24 6/5/24 6/5/24 6/5/24 Murchison Oil & Gas DATE SAMPLING by client, its subs TO by the client for the applicable scillaries, Phone Result: Fax Result: REMARKS: Email results to: TIME × × × × × × × × Chloride □ Yes × × × TPH × × × × × gboans@jdmii.com pm@hungry-horse.com × × \times \times × × × × **BTEX 8021** Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST Page 16 of 17

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June 14, 2024

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 06/10/24 16:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Alyssa Parras
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SP 1 - 4' (H243316-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	4.72	
Toluene*	<0.050	0.050	06/13/2024	ND	2.09	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.05	103	2.00	2.92	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.01	100	6.00	2.72	
Total BTEX	<0.300	0.300	06/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	24						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	199	99.3	200	6.74	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	201	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	18						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

2/3/2 Relipquished By: 2/3/2 Relipquished By: Defivered By: (Circle One) Sampler - UPS - Bus - Other	(alara	PLEASE NOTE: Liability and Damages. Co mahyees. All claims including those for neg analyses. In no event shall Cardinal be jubdi antifiates of successors arising out of or relat Relinquished By:		0	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575	City: Lovington	Address: 402	Project Manager:	Company Name:
Hipduished By: Date: Received By: Defivered By: Circle One) Time: ampler - UPS - Bus - Other: 2.6 C Sample Condition	and the	and Damages. Cardinal's lighting and citie ding those for negligants and any other c Cardinal be lightly for incident for consec- sing out of or related type polyomanog any and a second second second second second and second s		SP1-4'	Sample I.D.		Jerry Heidelberg	1: UL/ G Sec 4 T25S -	Ringer Federal #2		575 393-3386	no	4024 Plains Hwy	_	1
Date: Time: 100	June: 10-21				I.D.			5S - R26E		Project Owner:		State: NM		lez	01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Hungry Horse LLC
Received By: Sample Condition Cool Intact U Yes 1 Tes	Received By:	ing whether wed unless n whether tation, busine tat		→ # G W < SC OI	CONTAINERS ROUNDWATER /ASTEWATER DIL .UDGE	MATRIX				Murchison Oil & Gas		Zin: 88260			18240 -2476
n CHECKED BY:	er vor avore statist reason	shall be limited to the amount shall be limited to the amount use, or loss of profits incurred dupon am of the above state	X 6/10/24		THER : CID/BASE: E / COOL THER :	SEDV	Fax #:	Phone #: 575 708 0867	State: NM 7in. 8	1 10	Attn: Greg Boans	any		BILL TO	
Email results to:	Phone Result: Fax Result:	paid by the client for the after completion of the applicable of client, its subsidiaries,		TIME	LING		101	0200	0000	a Vista		Murchison Oil & Gas		0	
Its to:			×	TP	nloride	_			_						
pm@hunu gboans@	Yes INO Yes No			-	EX 8021			_							
pm@hungry-horse.com gboans@jdmii.com	Add'l Phone #: Add'l Fax #:													ANALYSIS REQUEST	

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September 25, 2024

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 09/24/24 12:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 1 - 4' (H245791-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	384	96.0	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	69.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 2 - 4' (H245791-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	384	96.0	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 3 - 10' (H245791-03)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 4 - 10' (H245791-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 5 - 10' (H245791-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 6 - 10' (H245791-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 7 - 10' (H245791-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 8 - 10' (H245791-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 9 - 10' (H245791-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	72.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 10 - 10' (H245791-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 11 - 4.5' (H245791-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 12 - 4.5' (H245791-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 1 (H245791-13)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	66.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.2	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 2 (H245791-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.00	100	2.00	3.59	
Toluene*	<0.050	0.050	09/24/2024	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.03	102	2.00	2.68	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.08	101	6.00	2.60	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.4	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 3 (H245791-15)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	QR-03
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	QR-03
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	QM-07, QR-03
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 4 (H245791-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 5 (H245791-17)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 6 (H245791-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.5	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 7 (H245791-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	65.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 8 (H245791-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	236	118	200	0.0601	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	111	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 9 (H245791-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 10 (H245791-22)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 11 (H245791-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 12 (H245791-24)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.2	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 13 (H245791-25)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/25/2024	ND	2.19	110	2.00	1.02	
Toluene*	1.15	0.200	09/25/2024	ND	2.16	108	2.00	5.53	GC-NC1
Ethylbenzene*	1.86	0.200	09/25/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	49.2	0.600	09/25/2024	ND	6.73	112	6.00	8.50	
Total BTEX	52.2	1.20	09/25/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	170	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1300	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	2740	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	266	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 14 (H245791-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/25/2024	ND	2.19	110	2.00	1.02	
Toluene*	0.829	0.100	09/25/2024	ND	2.16	108	2.00	5.53	GC-NC1
Ethylbenzene*	1.35	0.100	09/25/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	36.3	0.300	09/25/2024	ND	6.73	112	6.00	8.50	
Total BTEX	38.5	0.600	09/25/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	194	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	867	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	2080	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	224	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 15 (H245791-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	2.19	110	2.00	1.02	
Toluene*	0.380	0.050	09/25/2024	ND	2.16	108	2.00	5.53	GC-NC1
Ethylbenzene*	0.714	0.050	09/25/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	23.1	0.150	09/25/2024	ND	6.73	112	6.00	8.50	
Total BTEX	24.2	0.300	09/25/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	219	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	388	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	1340	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	157	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 16 (H245791-28)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/25/2024	ND	2.19	110	2.00	1.02	
Toluene*	1.71	0.200	09/25/2024	ND	2.16	108	2.00	5.53	GC-NC1
Ethylbenzene*	2.46	0.200	09/25/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	57.0	0.600	09/25/2024	ND	6.73	112	6.00	8.50	
Total BTEX	61.2	1.20	09/25/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	173	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1140	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	2780	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	234	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Received:	09/24/2024	Sampling Date:	09/24/2024
Reported:	09/25/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	MURCHISON	Sample Received By:	Tamara Oldaker
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: CALICHE (H245791-29)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.19	110	2.00	1.02	
Toluene*	<0.050	0.050	09/24/2024	ND	2.16	108	2.00	5.53	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	2.25	112	2.00	8.05	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	6.73	112	6.00	8.50	
Total BTEX	<0.300	0.300	09/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	432	108	400	16.0	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	229	115	200	3.54	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	226	113	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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	Email results to: pm@hungry-horse.com	Email re		(Received by:	Ived	ece		Date:)	hed By:	Relinquished By:
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	sult: Ves No Add'I Fnone #: C Yes No Add'I Fax #:	Phone Result: Fax Result:	1 " 1	1		By:	Received By:	ece	Date: 9-74-74	_	2	hed By:	Relinquished By:
		nt, its subsidiaries, ons or otherwise.	rofits incurred by clie re above stated reason	s, including without limitation, business interruptions, loss of use, or loss of profits incurre sunder by Cardinal, regardless of whether such claim is based upon any of the above statement of the statement	uptions, los ch claim is l	ness intern whether su	on, busi less of v	limitatio	nages, including withou hereunder by Cardinal	onsequental dar ance of services	service. In no event shall Cardinal be fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries articulars or successors arising out of or highed to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ent shall Cardin	service. In no ev
	sable	ompletion of the applic	to the amount paid b within 30 days after o	tort, shall be limited sceived by Cardinal v	contract or riting and re	r based in made in w	whethe	arising	ve remedy for any clain soever shall be deemed	d client's exclusi ther cause what	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount paid by the client for the analyses All claims including those for neoligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	Liability and Da	PLEASE NOTE:
L	X X X I I I I I I I I I I I I I I I I I	4 8:20	9/24/24	×	_	×		-	С		FL10-10'	10 FI	
		8:18	9/24/24	×		×		-	c		FL9-10'	_	
	+	8:16	9/24/24	×	-	×		-	с		FL8-10'	8 FI	
		8:14	9/24/24	×	-	×		-	C		FL7-10'	7 FL	
	+	8:12	9/24/24	×	-	×		-	c		FL6-10'	6 FL	
	+	8:10	9/24/24	×	-	×		-	C		FL5-10'	SFL	
		8:08	9/24/24	×	-	×		-	С		FL4-10'	4 FL	
		8:06	9/24/24	×		×		-	С		FL3-10'	3 FL	
		8:04	9/24/24	×	-	×		-	С		FL2-4'	2 FL	
	+	8:02	9/24/24	×	-	×		-	C		FL1-4"	I FL	
		TIME		OTHER :	OIL SLUDGE	WASTEWATER SOIL	GROUNDWATER	# CONTAINERS	(G)RAB OR (C)OMP.	e I.D.	Sample I.D.	D.	Lab I.D.
		LING	RV. SAMPLING	PRESERV.	MATRIX	MA						AINC	FOR LAR LISP ONLY
_			1	Fax #:						g	Jerry Heidelberg	ame:	Sampler Name:
_		7	575 706-0667	Phone #:						5S - R26E	UL/ G Sec 4 T25S -	cation:	Project Location:
_		30	Zip: 88230	State: NM							Ringer Federal #2		Project Name:
			Carlsbad	City: Car		Murchison Oil & Gas	on Oi	rchis		Project Owner:			Project #:
_		Vista	Address: 5325 Sierra Vista	Address:						Fax #:	3-3386	575 393-3386	Phone #:
			Greg Boans	Attn: Gre		60	88260	Zip:	NM 2	State:		Lovington	City: Lo
		Oil & Gas	Murchison Oil & Gas	Company							4024 Plains Hwy	4024 P	Address:
Ē				P.O. #:						ez	Daniel Dominguez	nager:	Project Manager:
Pa	ANALYSIS REQUEST		BILL TO							LC	Hungry Horse LLC		Company Name:
ae 32									NM 88240 5) 393-2476	, Hobbs, FAX (57	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	10	
of 35		CIMIN							PS	ori	aboratories	La	2

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

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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CF-0.62

#140

Sample Condition Cool Intact Hes Yes No No No

CHECKED BY: (Initials)

gboans@jdmii.com

Time:

Released to Imaging: 2/3/2025 2:11:50 PM

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ARC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 2/3/2025 7:01:23 AM

	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	1, Hobbs, NM 8 FAX (575) 393	38240 -2476											ge 33
Company Name:		LC				BILL TO				A	ANALYSIS	REQUEST		Pa
Project Manager:	11	Jez			P.O. #:				_					-
Address: 402	밀				Company	Murchison Oil	il & Gas	_		_	_			
2	on	State: NM	Zip:	88260	Attn: Gre	Greg Boans				_		_		
e #	575 393-3386	Fax #:			Address:	Address: 5325 Sierra Vi	Vista	_				_		_
· ·		Project Owner:		Murchison Oil & Gas	City: Car	Carlsbad		_			_			
ame:	Ringer Federal #2				State: NM	Zip: 88230	0	_	_			_	_	_
<u> </u>	n: UL/ G Sec 4 T25S	5S - R26E			Phone #:	575 706-0667		_			_	_	_	_
Sampler Name:	Jerry Heidelberg	g			Fax #:			_	_					
FOR LAB USE ONLY			_	MATRIX		RV. SAMPLING	NG	_						_
Lab I.D.	Sample I.D.	e I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL	OTHER: DATE	TIME	Chloride	трн	BTEX 8021				
11	FL11-4.5'		C 1	X	×	9/24/24	8:22	×	×	×				
12	FL12-4.5'		C 1	×	×	9/24/24	8:24	×	×	×				
13	SW1		C 1	×	×	9/24/24	8:26	×	×	×				
14	SW2		C 1	×	×	9/24/24	8:28	×	×	× ×				
15	SW3		C 1	×	: ×	9/24/24	8:30	×	< ×	< >				
14	SW4		0 0	< ×	< ×	9/24/24	8:34	× >	× >	× >		-		
51	SWB		C 0	×	×	9/24/24	8:36	×	×	×				
61	SW7		C 1	×	×	9/24/24	8:38	×	×	×				
20	SW8		C 1	×	X	9/24/24	8:40	×	×	×		-	_	
PLEASE NOTE: Liability and Damu analyses. All claims including those service. In no event shall Cardinal I	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the subsidiaries service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of the above stated reasons or otherwise.	ages. Cardinal's liability and client's exclusive remedy for any cl a for negligence and any other cause whatsoever shall be deen be liable for incidental or consequental damages, including with	or any claim arising be deemed waived ding without limitatio	sing whether based in contra ived unless made in writing a itation, business interruption	ient's exclusive remedy for any claim arising whether based in contract or tort, shall be fimited to the annual pad by the client for the cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable equential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, equential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, equential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, and the subsidiaries of the subsidia	within 30 days after con rofits incurred by client,	he client for the pletion of the applic its subsidiaries, or otherwise	able						
Artiliates or successors arising Relinquished By	BV:	Date: 4-24		Received By:	2	111	Phone Result: Fax Result:	ult] Yes		Add'l Phone #: Add'l Fax #:			
Refinquished By:	Hendelberth	Time: /2/8 Date:	Recei	Received By:	alla	allar	REMARKS:	KS: esults t	X	pm@hungry-horse.com	shorse.com			
1 1	1	Time:							10	gboans@jdmii.com	nii.com			
Delivered By Sampler - UPS	Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:	CF-0.60	-1°	Sample Condition Cool Intact	0	(Initials)								
† Cardinal can	Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	changes. Please	fax written	changes to 5	75-393-2476									

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Received by OCD: 2/3/2025 7:01:23 AM

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101 East Marland	Hohhe NM 882	40					
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	1 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	40 76					
Company Name: Hungry Horse LLC	C		BILL TO				ANALYSIS REQUEST
	ez		P.O. #:		-	-	
P			Company Murchison Oil & Gas	l & Gas	_	_	
2	State: NM	Zip: 88260	Attn: Greg Boans		_		
e #	Fax #:		Address: 5325 Sierra Vista	sta	_	_	
···	Project Owner:	Murchison Oil & Gas	City: Carlsbad		_		
Project Name: Ringer Federal #2			State: NM Zip: 88230	0	_		
≚ I.	5S - R26E		Phone #: 575 706-0667			_	
			Fax #:		_	_	
		MATRIX	PRESERV. SAMPLING	4G	_		
Lab I.D. Sample I.D.	e I.D.	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	TIME	Chloride	TPH BTEX 8021	
6MS R		C 1 X	X 9/24/24	8:42	×	× ×	
32 SW10		C 1 X	X 9/24/24	8:44	×	+	
33 SW11		C 1 X	X 9/24/24	8:46	×	+	
24 SW12		C 1 X	X 9/24/24	8:48	×	+	
as sw13		C 1 X	X 9/24/24	8:50	×	+	
36 SW14		C 1 X	X 9/24/24	8:52	×	+	
1		C 1 X	X 9/24/24	8:54	×	+	
9		C 1	X 9/24/24	8:56	×	×	
						\vdash	
PLASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount yead by the client to me analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incidental by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incidental by client, its subsidiaries, service.	d client's exclusive remedy for an ther cause whatsoever shall be di onsequental damages, including v	y claim arising whether based in contract on berned waived unless made in writing and without limitation, business interruptions, lo	cr or tort, shall be limited to the amount paid by the cirent or me or received by Cardinal within 30 days after completion of the a s, loss of use, or loss of profils incurred by client, its subsidiaries, is to a second a second by the second second reasons or otherwise	ne client for the applica pletion of the applica its subsidiaries, or otherwise	ble		
Affiliates or successors arising out of or related to the perform	Date: 9-24-24	Received By:	MAN	Phone Result: Fax Result:	r.	22	No Add'l Phone #:
Particulation By:	Time: 1218	Received By:	Mallaker	REMARKS: Email result	KS:	12	15 0
Juli C.	Time:						gboans@jdmii.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	F-0.60 1	Cool Inflact Cool Inflact	t (Initials)				
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	hanges. Please fax	written changes to 575	5-393-2476				

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Received by OCD: 2/3/2025 7:01:23 AM

City: Sampler Name: Project Location: Project Name: Project #: Phone #: Project Manager: Company Name: Address: **Relinquished By:** inalyses. All claims including those for negligence and any other cause whatsoever shall be deemed Sampler - UPS - Bus - Other: ervice. In no event shall Cardinal LEASE NOTE: Liability and 424579 FOR LAB USE ONLY Lab I.D. Delivered By: (Circle One) Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 Lovington Shed By 4024 Plains Hwy 575 393-3386 _aboratories Ringer Federal #2 Caliche 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 UL/ G Sec 4 T25S - R26E Daniel Dominguez Hungry Horse LLC Jerry Heidelberg Cardinal's liability and client's exclusive remedy for any claim đ Sample I.D S Project Owner: Fax #: State: F-0.60 ,7c Time Date:24-20 Date: Time: NN 8 5 H 10 without limitation, business inte 40 Murchison Oil & Gas (G)RAB OR (C)OMP 0 Zip: Received/By: **Received By:** walved Dursue # CONTAINERS 88260 whether based in contract or tort, shall be limited to the amount baid by the client for the unless made in writing and received by Cardinal within 30 days after completion of the applicable GROUNDWATER Cool Intact WASTEWATER Sample Condition MATRIX SOIL × OIL Claim is pased SLUDGE loss of use, or loss of profits inci P.O. #: State: City: Fax #: Attn: Company Phone #: 575 706-0667 Address: 5325 Sierra Vista OTHER upon any of the ap ACID/BASE PRESERV NM Greg Boans Carlsbad ICE / COOL × CHECKED BY: (Initials) BILL TO OTHER Zip: Murchison Oil & Gas 9/24/24 DATE rred by client, its subsidiaries SAMPLING 88230 paid by the client for the Phone Result: Fax Result: CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 10:00 TIME REMARKS: Email results to: Chloride × □ Yes TPH × pm@hungry-horse.com gboans@jdmii.com **BTEX 8021** × I No No 24 RUSH Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST

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ARDINAL

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November 05, 2024

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 1 - 14' (H246692-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	0.307	0.150	11/04/2024	ND	6.48	108	6.00	6.88	GC-NC1
Total BTEX	0.307	0.300	11/04/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	11/04/2024	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.1	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	376	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	68.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 2 - 14' (H246692-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	1.03	0.150	11/04/2024	ND	6.48	108	6.00	6.88	GC-NC1
Total BTEX	1.03	0.300	11/04/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	11/04/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.7	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	954	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	52.7	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 3 - 14' (H246692-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	1.47	0.150	11/04/2024	ND	6.48	108	6.00	6.88	GC-NC1
Total BTEX	1.47	0.300	11/04/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	140 \$	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	11/04/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	93.2	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	652	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 4 - 14' (H246692-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	11/04/2024	ND	432	108	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	173	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 5 - 14' (H246692-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	19.4	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 6 - 14' (H246692-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	0.635	0.150	11/04/2024	ND	6.48	108	6.00	6.88	GC-NC1
Total BTEX	0.635	0.300	11/04/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.3	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	132	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	22.1	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 7 - 14' (H246692-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	0.486	0.150	11/04/2024	ND	6.48	108	6.00	6.88	GC-NC1
Total BTEX	0.486	0.300	11/04/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.5	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	301	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 8 - 14' (H246692-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.3	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	144	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 1 0-14' (H246692-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 2 0-14' (H246692-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 3 0-14' (H246692-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	70.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.5	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 4 0-14' (H246692-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.8	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 5 0-14' (H246692-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 6 0-14' (H246692-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	69.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.5	% 49.1-14	8						

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Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 7 0-14' (H246692-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/04/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 8 0-14' (H246692-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2024	ND	1.98	99.2	2.00	10.9	
Toluene*	<0.050	0.050	11/05/2024	ND	2.07	104	2.00	9.20	
Ethylbenzene*	<0.050	0.050	11/05/2024	ND	2.03	102	2.00	8.07	
Total Xylenes*	<0.150	0.150	11/05/2024	ND	6.48	108	6.00	6.88	
Total BTEX	<0.300	0.300	11/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 9 0-14' (H246692-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	68.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 10 0-14' (H246692-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 11 0-14' (H246692-19)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/01/2024	Sampling Date:	11/01/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 12 0-14' (H246692-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2024	ND	1.89	94.3	2.00	12.2	
Toluene*	<0.050	0.050	11/04/2024	ND	1.83	91.4	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/04/2024	ND	1.86	92.9	2.00	9.84	
Total Xylenes*	<0.150	0.150	11/04/2024	ND	5.54	92.3	6.00	9.50	
Total BTEX	<0.300	0.300	11/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/04/2024	ND	197	98.3	200	1.72	
DRO >C10-C28*	<10.0	10.0	11/04/2024	ND	199	99.3	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	11/04/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 2/3/2025 7:01:23 AM

Laboratorie	ratories			CHAIN-O	N-OF	-CUSTO	F-CUSTODY AND ANALYSIS REQUEST
101 East Mark (575) 393-23	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	.2476					
	se LLC		BILL TO	S			
Project Manager: Daniel Dominguez	inguez		P.O. #:			-	ANALISIS REQUEST
Address: 4024 Plains Hwy			Company: Runner Resources Operatin	sources Operating			
City: Lovington	State: NM	Zip: 88260	Attn: Brad Grandstaff	aff			
Phone #: 575 393-3386	Fax #:		Address: 5325 Sierra Vista	ra Vista		_	
Project #:	Project Owner:	Ridge Runner Resources Operating, LLC	City: Carlsbad			_	
Project Name: Ringer Federal #2	2			8230		_	
Project Location: UL/ G Sec 4 T25S	T25S - R26E		3L	221			
Sampler Name: Roy Bell			Fax #:		_		
FOR LAB USE ONLY		MATRIX	SERV.	SAMPLING			
Lab I.D. Samp	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :		Chloride	ГРН ВТЕХ 8021	
FL1-14'		1 X	X	+	+	+	
A FL2-14'		-		+	+	× >	
3 FL3-14'		C 1 X		+	+	+	
		C 1 X	X 11/1/24		+	+	
		C 1 X	X 11/1/24			-	
J FL6-14		C 1 X	X 11/1/24	4 8:22	×	××	
/ FL7-14'		C 1 X	X 11/1/24		×	-	
G SW1 0-14		C 1	X 11/1/24	+	+	-	
10 SW2 0-14"		-1	X 11/1/24	4 8:37	× >	× >	
dinal b	gres - variantars lability and client's exclusive remedy for any d for negligence and any other cause whatsoever shall be deer the labile for incidental or consequental damages, including with for related to the performance of services hereuroder by Cardo	Seculasive remedy for any claim ansing whether based in contract or tort, sha use whatboever shall be deemed wahred unless made is writing and necesive it ential damages, including without intation, business interruptors, loss of use, services hereuroter to Cardinal resardless of useries hereuro whether is becaute services hereuroter to Cardinal resardless of useries and the service is becaute.	, shall be limited to the amount paid by the client for the ned by Candinal within 30 days after completion of the s use, or loss of profits incurred by client, its subsidiaries	int paid by the client for the ys after completion of the applical id by client, its subsidiaries.	ł	ł	
Keinguished By:	Pate A	Received By:	reignaun	Phone Result: Fax Result: REMARKS:		Ves D No	o Add'I Phone #: o Add'I Fax#:
Arelinquished By:	Time:	Received By:	9	Email results	sults to:	\cap	pm@hungry-horse.com bgrandstaff@3roperating.com
	1.3: 10.0.42 0.7: #140	Sample Condition Cool Intact Pres Pres No No No	n CHECKED BY: (Initials)			ngranusu	ani@oroperating.com
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	changes. Please fax	written changes to 575-39:	3-2476	ľ			

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Page 23 of 24

Received by OCD: 2/3/2025 7:01:23 AM

Delivered By: (Circle One) Sampler - UPS - Bus - Other	midulation by.	Relinguished By	A naisindra phi	service. In no event shall Cardinal be liable for incidental affiliates of successors arising out of or related to the pert	PLEASE NOTE: Liability and Di analyses. All claims included th		X	12 00	01		14 8	CX CX			Lab I.D.	FOR I AR LISE ONLY	Sampler Name:	Project Name: In	_		Lov	ess:	an	Company Name:		
(Circle One)		Lalliet	10 11	service. In no event shall Cardinal be liable for incidential or cons affiates of successors arising out of or related to the performanc	PLEASE NOTE: Liability and Damages. Cardina's liability and cle analyses. All claims including those for necligence and any other	SWIT 0-14	SW10 0-14"	SW9 0-14	SW8 0-14'	SW7 0-14'	SW6 0-14"	SW5 0-14"	SW4 0-14'	SW3 0-14"	Sample I.D.	and have	_	linger Federal #		575 393-3386		4024 Plains Hwy	: Daniel Dominguez	Hungry Horse LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	10010
100	Date: Time:	2 mas	Date: 24	ruware winancenzi invali se operimed wanked unless made in witting and reached by Caudial within 00 gday after o equantial diamages, including without limation business interruptions, less of use, or loss of profits incurred by client a of apoxices hereunder by Caudinal, legandless of whether such claim is based upon any of the above stated reaso	nfs ei										.D.		00 - N20E		Project Owner:	Fax #:	State: NM		lez	LC	fAX (575) 393	
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Sample Condition	By:	1900	SV:	unar eo ecennes waxed untess made in witting and received by Caudinal wittin 00 digus after completion. Including without Imitation business interruptions, loss of user, or loss of profits incurred by client, its subai der by Caudinal, ingandiess of whether such claim is based upon any of the above stated reasons or othe	X based in contract or fort	×	×	×	×	×	×	×	×	×	WASTEWATER SOIL OIL				Ridge Runner Resources Operating, LLC		88260					
lion		an		s of use, or k based upon a	fort, shall be lin	F				_					SLUDGE OTHER : ACID/BASE:	Fax #:	Pho	State	LC City:	Add	Attn	Con	P.O.			
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ED BY:	4			30 days after comp nourred by client, a ve stated reasons i	11/1/24 amount paid by th	11/1/24	11/1/24	11/1/24	11/1/24	11/1/24	11/1/24	11/1/24	11/1/24	11/1/24	DATE	1	Phone #: 972-977-9221	Zip: 88230	bad	Address: 5325 Sierra Vista	Attn: Brad Grandstaff	Company Runner Resources Operatin		BILL TO		
	Email results to:	REMARKS:	Phone Result: Fax Result:	pletion of the applicable is subsidiaries or otherwise	1/1/24 9:10 unt paid by the client for the	9:08	9:05	9:01	8:55	8:53	8:50	8:45	8:42	8:40	TIME			30		Vista		rces Operatin				
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bgrandstatt@3roperating.com	om@hungry-horse.com		S S		×	×	×	×	×	×	× ;	×	×	×	BTEX 8021						_	_	_			
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January 14, 2025

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 01/10/25 15:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 1B 16' (H250123-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 2B 16' (H250123-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 3B 16' (H250123-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	145	10.0	01/14/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	215	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 4B 16' (H250123-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	15.6	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 5B 16' (H250123-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 6B 16' (H250123-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 7B 25' (H250123-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 8B 25' (H250123-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 13 14-16' (H250123-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 14 14-16' (H250123-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/13/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 15 14-16' (H250123-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 16 14-16' (H250123-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 17 16-25' (H250123-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 18 16-25' (H250123-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 19 16-25' (H250123-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/13/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Analytical Results For:

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

Received:	01/10/2025	Sampling Date:	01/10/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: SW 20 16-25' (H250123-16)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.63	81.3	2.00	1.83	
Toluene*	<0.050	0.050	01/14/2025	ND	1.72	86.2	2.00	0.524	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	1.81	90.7	2.00	0.395	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.62	93.7	6.00	0.137	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/13/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	178	88.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	173	86.3	200	5.83	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Lab I.D.	Sample I.D.		Depth	(G)RAB OR (C)	# CONTAINERS	GROUNDWATE	WASTEWATER	SOIL		OIL	SLUDGE	OTHER :	ACID/DASE.	ACID/BASE:	CE / COOL	OTHER :	orner.	DATE	TIME	Chloride	грн	BTEX 8021																		
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101 (5 Company Name: Project Manager:	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Hungry Horse LLC	Hobbs, NM AX (575) 39:	88240 3-2476		Π	BILL TO				ANALYSIS	YSIS REQUEST	ŞT .
Address: Anod Di	Daniel Dominguez	2			P.O. #:			2	_			
000.	TUCT FIGHTS FIWY				Company	Company: Runner Resources Operatin	ces Operating					
V		State: NM	Zip: 8	88260	Attn: Bra	Brad Grandstaff						
Phone #: 575 393-3386		Fax #:			Address:	Address: 5325 Sierra Vista	lista		-			
Project #:	9	Project Owner:	Ridge Runner Ren	Resources Operating, LLC	-	Carlsbad			_			
Project Name: Ring	Ringer Federal #2					Zip: 88230	5					
Project Location:	UL/ G Sec 4 T25S -	- R26E			Phone #:	972-977			_			
Sampler Name:	Hector Luna				Fax #:			5				
FOR LAB USE ONLY				MATRIX	PRESERV.	RV. SAMPLING	NG		-			
			RS			1	ĺ					
Lab I.D.	Sample I.D.	Depth	(G)RAB OR (# CONTAINE GROUNDWA	WASTEWATI SOIL DIL SLUDGE	OTHER : ACID/BASE: CE / COOL		TIME	Chloride	TEX 8021			
W13	13	14-16'	0		×		910	+	+			
JO SW14	14	14'-16'	01 C 1	×	×	1/10/25	915	×	×××			
II SW15	15	14'-16'	5" C 1	×	×	1/10/25	920	×	-	-		-
	16	14'-16'	5" C 1	×	×	1/10/25	925	×	-			-
0	17	16-25'	C 1	×	×	1/10/25	930	×	-			
IU SWID	ā	16-25'	C 1	×	×	1/10/25	935	×				
2		16-25	+	×	×	1/10/25	940	×	X X			
07AAS		16-25	C 1	×	×	1/10/25	945	×	×××			
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January 21, 2025

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: RINGER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 01/20/25 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/20/2025	Sampling Date:	01/17/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	RINGER FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	RIDGE RUNNER RESOURCES	Sample Received By:	Shari Cisneros
Project Location:	UL/G SEC 4 T25S - R26E		

Sample ID: FL 3 C (H250312-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2025	ND	1.69	84.4	2.00	0.270	
Toluene*	<0.050	0.050	01/20/2025	ND	1.82	91.2	2.00	0.388	
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	1.79	89.6	2.00	0.371	
Total Xylenes*	<0.150	0.150	01/20/2025	ND	5.24	87.4	6.00	0.120	
Total BTEX	<0.300	0.300	01/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2025	ND	221	111	200	2.56	
DRO >C10-C28*	<10.0	10.0	01/20/2025	ND	224	112	200	0.708	
EXT DRO >C28-C36	<10.0	10.0	01/20/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 2/3/2025 7:01:23 AM

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General Information Phone: (505) 629-6116

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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

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QUESTIONS

Action 427391

QUESTIONS				
Operator:	OGRID:			
3R Operating, LLC	331569			
20405 State Highway 249	Action Number:			
Houston, TX 77070	427391			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

QUESTIONS

nRM2027443562
NRM2027443562 RINGER FEDERAL #2 @ 30-015-22308
Oil Release
Remediation Closure Report Received
[30-015-22308] RINGER FEDERAL COM #002
-

Location of Release Source

Please answer all the questions in this group.	
Site Name	RINGER FEDER

Site Name	RINGER FEDERAL #2
Date Release Discovered	09/29/2020
Surface Owner	Federal

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	Νο			
Has this release endangered or does it have a reasonable probability of endangering public health	Νο			
Has this release substantially damaged or will it substantially damage property or the environment	Νο			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

Nature and Volume of Release

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Production Tank Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: Corrosion Production Tank Condensate Released: 100 BBL Recovered: 0 BBL Lost: 100 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 427391

QUESTIONS	(continued))
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Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	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 Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remedi	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of
subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com Date: 07/08/2024

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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:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
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 as	sociated 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)	3960	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	22070	
GRO+DRO (EPA SW-846 Method 8015M)	22070	
BTEX (EPA SW-846 Method 8021B or 8260B)	1050	
Benzene (EPA SW-846 Method 8021B or 8260B)	4.9	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	07/22/2024	
On what date will (or did) the final sampling or liner inspection occur	08/12/2024	
On what date will (or was) the remediation complete(d)	08/19/2024	
What is the estimated surface area (in square feet) that will be reclaimed	1500	
What is the estimated volume (in cubic yards) that will be reclaimed	500	
What is the estimated surface area (in square feet) that will be remediated	1500	
What is the estimated volume (in cubic yards) that will be remediated	500	
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.

Action 427391

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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, Page 4

Action 427391

QUESTIONS (continued)	
Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Remediation Flan (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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Cindy Cottrell Title: Regulatory Coordinator Email: ccottrell@jdmii.com

Date: 07/08/2024 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, Page 5

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QUESTIONS	(continued)
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Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTION	s
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Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

General Information Phone: (505) 629-6116

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QUESTIONS (continued)

Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	420629
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all r	emediation 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	1600
What was the total volume (cubic yards) remediated	1900
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)	Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD ap-proved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or tially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
I haraby agree and sign off to the above statement	Name: Bradley Wells Title: Enviro Manager

I hereby agree and sign off to the above statement	Name: Bradley Wells
	Title: Enviro Manager
Thereby agree and sign on to the above statement	Email: bwells@hungry-horse.com
	Date: 02/03/2025

QUESTIONS, Page 6

Action 427391

General Information Phone: (505) 629-6116

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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:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
OUESTIONS	

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

QUESTIONS, Page 7

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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

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CONDITIONS

Action 427391

CONDITIONS	
Operator:	OGRID:
3R Operating, LLC	331569
20405 State Highway 249	Action Number:
Houston, TX 77070	427391
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation closure approved.	2/3/2025
bhall	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/3/2025
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/3/2025
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/3/2025
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	2/3/2025
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	2/3/2025